

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

**FORM 10-Q**

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**For the quarterly period ended September 30, 2022**

**OR**

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**For the transition period from      to**

**Commission File Number: 001-39659**

**BIODESIX, INC.**

(Exact Name of Registrant as Specified in its Charter)

**Delaware**

(State or other jurisdiction of  
incorporation or organization)

2970 Wilderness Place, Suite 100  
Boulder, Colorado 80301  
(Address of principal executive offices)

20-3986492  
(I.R.S. Employer  
Identification No.)

**80301**  
(Zip Code)

**Registrant's telephone number, including area code: (303) 417-0500**

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	BDSX	The Nasdaq Global Market

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
Emerging growth company	<input checked="" type="checkbox"/>		

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

Indicate by check mark whether the registrant has filed all documents and reports required to be filed by Sections 12, 13 or 15(d) of the Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court. Yes ☒ No ☐

As of October 31, 2022, the registrant had 42,093,514 shares of common stock, \$0.001 par value per share, outstanding.

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## SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements about us and our industry that involve substantial risks and uncertainties, including but not limited to those set forth under the caption “Special Note Regarding Forward-Looking Statements” and Item 1A “Risk Factors” of Part II in this Quarterly Report on Form 10-Q and those discussed in our other filings with the Securities and Exchange Commission (SEC), including the risks described in Item 1A “Risk Factors” of Part I of our Annual Report on Form 10-K for the year ended December 31, 2021, which was filed on March 14, 2022. All statements other than statements of historical facts contained in this Quarterly Report on Form 10-Q, including statements regarding our future financial condition, results of operations, business strategy and plans, and objectives of management for future operations, as well as statements regarding industry trends, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “anticipate,” “believe,” “continue,” “could,” “estimate,” “expect,” “intend,” “may,” “plan,” “potentially,” “predict,” “should,” “will” or the negative of these terms or other similar expressions.

We have based these forward-looking statements largely on our current expectations and projections about future events and trends that we believe may affect our financial condition, results of operations, business strategy and financial needs. These forward-looking statements are subject to a number of risks, uncertainties, factors, and assumptions described under the section titled “Risk Factors” in this Report and in the section entitled “Risk Factors” and elsewhere in our Annual Report on Form 10-K for the year ended December 31, 2021, regarding, among other things:

- the impact of a pandemic, epidemic, or outbreak of an infectious disease in the United States or worldwide, including the continuing spread of COVID-19 (including notable and severe mutations of the virus) may have a material adverse effect on our operations, our ability to generate revenues and income, and our ability to maintain compliance with our debt covenants and, under certain circumstances, remain a going concern;
- our inability to achieve or sustain profitability;
- our unaudited financial statements include a statement that there is a substantial doubt about our ability to continue as a going concern and a continuation of negative financial trends could result in our inability to continue as a going concern;
- our ability to attain significant market acceptance among payers, providers, clinics, patients, and biopharmaceutical companies for our diagnostic tests;
- difficulties managing our growth, which could disrupt our operations;
- failure to retain sales and marketing personnel, and failure to increase our sales and marketing capabilities or develop broad awareness of our diagnostic tests to generate revenue growth;
- failure to maintain our current relationships, or enter into new relationships, with biopharmaceutical companies;
- significant fluctuation in our operating results, causing our operating results to fall below expectations or any guidance we provide;
- the demand for our Biodesix WorkSafe™ testing program and our ability to meet such demand;
- product performance and reliability to maintain and grow our business;
- third-party suppliers, including courier services, contract manufacturers and single source suppliers, making us vulnerable to supply problems and price fluctuations;
- natural or man-made disasters and other similar events, including the COVID-19 pandemic, negatively impacting our business, financial condition, and results of operations;
- failure to offer high-quality support for our diagnostic tests, which may adversely affect our relationships with providers and negatively impact our reputation among patients and providers;
- our inability to continue to innovate and improve our diagnostic tests and services we offer;
- security or data privacy breaches or other unauthorized or improper access;
- significant disruptions in our information technology systems;
- the incurrence of substantial liabilities and limiting or halting the marketing and sale of our diagnostic tests due to product liability lawsuits;
- our inability to compete successfully with competition from many sources, including larger companies;
- performance issues, service interruptions or price increases by our shipping carriers and warehousing providers;

- cost-containment efforts of our customers, purchasing groups and integrated delivery networks having a material adverse effect on our sales and profitability;
- potential effects of litigation and other proceedings;
- general economic and financial market conditions;
- our ability to attract and retain key personnel;
- current and future debt financing placing restrictions on our operating and financial flexibility;
- our need to raise additional capital to fund our existing operations, develop our platform, commercialize new diagnostic tests, or expand our operations;
- the acquisition of other businesses, which could require significant management attention;
- the uncertainty of the insurance coverage and reimbursement status of newly approved diagnostic tests;
- future healthcare reform measures that could hinder or prevent the commercial success of our diagnostic tests;
- compliance with anti-corruption, anti-bribery, anti-money laundering and similar laws;
- compliance with healthcare fraud and abuse laws;
- our ability to develop, receive regulatory clearance or approval or certification for, and introduce new diagnostic tests or enhancements to existing diagnostic tests that will be accepted by the market in a timely manner;
- failure to comply with ongoing FDA or other domestic and foreign regulatory authority requirements, or unanticipated problems with our diagnostic tests, causing them to be subject to restrictions or withdrawal from the market;
- future product recalls;
- legal proceedings initiated by third parties alleging that we are infringing, misappropriating, or otherwise violating their intellectual property rights, the outcome of which would be uncertain;
- the volatility of the trading price of our common stock;
- inaccurate estimates or judgments relating to our critical accounting policies, which could cause our operating results to fall below the expectations of securities analysts and investors; and
- other risks, uncertainties and factors, including those set forth under “Risk Factors”.

These risks are not exhaustive. Other sections of this Quarterly Report on Form 10-Q may include additional factors that could harm our business and financial performance. New risk factors may emerge from time to time and it is not possible for our management to predict all risk factors, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in, or implied by, any forward-looking statements.

You should not rely upon forward-looking statements as predictions of future events. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements. Except as required by law, we undertake no obligation to update publicly any forward-looking statements for any reason after the date of this Quarterly Report on Form 10-Q or to conform these statements to actual results or to changes in our expectations.

In addition, statements that “we believe” and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this Quarterly Report on Form 10-Q, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements.

You should read this Quarterly Report on Form 10-Q and the documents that we reference and have filed as exhibits with the understanding that our actual future results, levels of activity, performance and achievements may be different from what we expect. We qualify all of our forward-looking statements by these cautionary statements.

**PART I—FINANCIAL INFORMATION**

**Item 1. Financial Statements (Unaudited).**

**BIODESIX, INC.**

**Condensed Balance Sheets  
(in thousands, except share data)**

	<b>September 30, 2022</b>	<b>December 31, 2021</b>
<b>Assets</b>		
Current assets		
Cash and cash equivalents	\$ 15,175	\$ 32,712
Accounts receivable, net of allowance for doubtful accounts of \$50 and \$158	4,449	3,656
Other current assets	4,494	7,245
Total current assets	24,118	43,613
Non-current assets		
Property and equipment, net	4,259	4,179
Intangible assets, net	10,223	11,617
Operating lease right-of-use assets	3,475	—
Goodwill	15,031	15,031
Other long-term assets	6,092	1,657
Total non-current assets	39,080	32,484
Total assets	\$ 63,198	\$ 76,097
<b>Liabilities and Stockholders' (Deficit) Equity</b>		
Current liabilities		
Accounts payable	\$ 2,100	\$ 1,662
Accrued liabilities	6,677	7,665
Deferred revenue	1,637	1,850
Current portion of operating lease liabilities	1,436	—
Current portion of contingent consideration	9,286	17,764
Current portion of notes payable	14,334	19
Other current liabilities	1,945	—
Total current liabilities	37,415	28,960
Non-current liabilities		
Long-term notes payable, net of current portion	4,880	9,993
Long-term operating lease liabilities	2,855	—
Contingent consideration	20,891	16,028
Other long-term liabilities	60	1,389
Total non-current liabilities	28,686	27,410
Total liabilities	66,101	56,370
Commitments and contingencies		
Stockholders' equity		
Preferred stock, \$0.001 par value, 5,000,000 shares authorized; 0 (2022 and 2021) shares issued and outstanding	—	—
Common stock, \$0.001 par value, 200,000,000 shares authorized; 41,185,532 (2022) and 30,789,649 (2021) shares issued and outstanding	41	31
Additional paid-in capital	344,138	321,669
Accumulated deficit	(347,082)	(301,973)
Total stockholders' (deficit) equity	(2,903)	19,727
Total liabilities and stockholders' (deficit) equity	\$ 63,198	\$ 76,097

The accompanying Notes are an integral part of these unaudited condensed financial statements.

**BIODESIX, INC.**

**Condensed Statements of Operations**  
(in thousands, except per share data)

	<b>Three Months Ended September 30,</b>		<b>Nine Months Ended September 30,</b>	
	<b>2022</b>	<b>2021</b>	<b>2022</b>	<b>2021</b>
Revenues	\$ 11,107	\$ 6,531	\$ 28,605	\$ 47,282
Operating expenses:				
Direct costs and expenses	3,633	2,722	10,848	28,025
Research and development	2,970	3,293	9,537	9,937
Sales, marketing, general and administrative	15,114	13,607	44,836	36,959
Change in fair value of contingent consideration	—	—	—	1,622
Impairment loss on intangible assets	—	—	81	—
Total operating expenses	21,717	19,622	65,302	76,543
Loss from operations	(10,610)	(13,091)	(36,697)	(29,261)
Other (expense) income:				
Interest expense	(3,039)	(1,546)	(5,522)	(3,012)
(Loss) gain on extinguishment of liabilities, net	(52)	3,123	(3,004)	2,395
Other income, net	2	—	114	1
Total other (expense) income	(3,089)	1,577	(8,412)	(616)
Net loss	\$ (13,699)	\$ (11,514)	\$ (45,109)	\$ (29,877)
Net loss per share, basic and diluted	\$ (0.34)	\$ (0.41)	\$ (1.22)	\$ (1.09)
Weighted-average shares outstanding, basic and diluted	40,448	28,051	36,953	27,467

The accompanying Notes are an integral part of these unaudited condensed financial statements.

BIODESIX, INC.

Condensed Statements of Stockholders' (Deficit) Equity  
(in thousands)

	Common Stock		Additional	Accumulated	Total
	Shares	Amount	Paid-In	Deficit	Stockholders'
			Capital		(Deficit)
					Equity
<b>Balance - December 31, 2021</b>	30,790	\$ 31	\$ 321,669	\$ (301,973)	\$ 19,727
Issuance of common stock under employee stock purchase plan	99	—	202	—	202
Issuance of common stock for deferred offering costs	184	—	600	—	600
Issuance of common stock, net	709	1	1,416	—	1,417
Exercise of stock options	107	—	75	—	75
Stock-based compensation	—	—	1,346	—	1,346
Net loss	—	—	—	(15,586)	(15,586)
<b>Balance - March 31, 2022</b>	31,889	32	325,308	(317,559)	7,781
Issuance of common stock, net	7,928	8	14,321	—	14,329
Exercise of stock options	24	—	17	—	17
Release of restricted stock units	138	—	—	—	—
Stock-based compensation	—	—	1,368	—	1,368
Net loss	—	—	—	(15,824)	(15,824)
<b>Balance - June 30, 2022</b>	39,979	40	341,014	(333,383)	7,671
Issuance of common stock under employee stock purchase plan	95	—	153	—	153
Issuance of common stock, net	924	1	1,744	—	1,745
Exercise of stock options	93	—	57	—	57
Release of restricted stock units	95	—	—	—	—
Stock-based compensation	—	—	1,170	—	1,170
Net loss	—	—	—	(13,699)	(13,699)
<b>Balance - September 30, 2022</b>	<u>41,186</u>	<u>\$ 41</u>	<u>\$ 344,138</u>	<u>\$ (347,082)</u>	<u>\$ (2,903)</u>

	Common Stock		Additional	Accumulated	Total
	Shares	Amount	Paid-In	Deficit	Stockholders'
			Capital		(Deficit)
					Equity
<b>Balance - December 31, 2020</b>	26,562	\$ 27	\$ 299,953	\$ (258,814)	\$ 41,166
Exercise of stock options	223	—	475	—	475
Stock-based compensation	—	—	1,752	—	1,752
Net loss	—	—	—	(6,961)	(6,961)
<b>Balance - March 31, 2021</b>	26,785	27	302,180	(265,775)	36,432
Exercise of stock options	164	—	204	—	204
Stock-based compensation	—	—	539	—	539
Net loss	—	—	—	(11,402)	(11,402)
<b>Balance - June 30, 2021</b>	26,949	27	302,923	(277,177)	25,773
Issuance of common stock under employee stock purchase plan	43	—	328	—	328
Exercise of stock options	28	—	60	—	60
Stock-based compensation	—	—	1,386	—	1,386
Net loss	—	—	—	(11,514)	(11,514)
<b>Balance - September 30, 2021</b>	<u>27,020</u>	<u>\$ 27</u>	<u>\$ 304,697</u>	<u>\$ (288,691)</u>	<u>\$ 16,033</u>

The accompanying Notes are an integral part of these unaudited condensed financial statements.

BIODESIX, INC.

Condensed Statements of Cash Flows  
(in thousands)

	Nine Months Ended September 30,	
	2022	2021
Cash flows from operating activities		
Net loss	\$ (45,109)	\$ (29,877)
Adjustments to reconcile net loss to net cash, cash equivalents, and restricted cash used in operating activities		
Depreciation and amortization	2,699	2,323
Amortization of lease right-of-use assets	1,499	—
Loss (gain) on extinguishment of liabilities, net	3,004	(2,395)
Stock-based compensation expense	3,884	3,677
Change in contingent consideration	—	1,622
Provision for doubtful accounts	(27)	193
Accrued interest, amortization of debt issuance costs and other	5,011	1,607
Inventory excess and obsolescence	837	—
Impairment loss on intangible assets	81	—
Changes in operating assets and liabilities:		
Accounts receivable	(765)	12,327
Other current assets	1,868	2,866
Other long-term assets	(3,645)	665
Accounts payable and other accrued liabilities	(646)	(9,262)
Deferred revenue	(985)	(1,772)
Current and long-term operating lease liabilities	(730)	—
Net cash, cash equivalents, and restricted cash used in operating activities	(33,024)	(18,026)
Cash flows from investing activities		
Purchases of property and equipment	(1,368)	(1,711)
Patent costs and intangible asset acquisition, net	(179)	(195)
Net cash, cash equivalents, and restricted cash used in investing activities	(1,547)	(1,906)
Cash flows from financing activities		
Proceeds from the issuance of common stock	17,966	—
Proceeds from issuance of common stock under employee stock purchase plan	355	328
Proceeds from exercise of stock options	149	739
Payment of contingent consideration	(8,691)	—
Proceeds from term loan and notes payable	15,102	30,078
Repayment of term loan and notes payable	(5,038)	(25,424)
Payment of debt issuance costs	(2,249)	(96)
Deferred offering costs	(129)	—
Equity financing costs	(407)	—
Other	(24)	—
Net cash, cash equivalents, and restricted cash provided by financing activities	17,034	5,625
Net decrease in cash, cash equivalents, and restricted cash	(17,537)	(14,307)
Cash, cash equivalents, and restricted cash - beginning of period	32,798	62,306
Cash, cash equivalents, and restricted cash - end of period	\$ 15,261	\$ 47,999

The accompanying Notes are an integral part of these unaudited condensed financial statements.



BIODESIX, INC.

Statements of Cash Flows  
(in thousands)

(Continued from the previous page)

Supplemental cash flow information:

	Nine Months Ended September 30,	
	2022	2021
Common stock issued for deferred offering costs	\$ 600	\$ —
Deferred offering costs amortized against Additional paid-in capital	52	—
Original issue discount associated with Promissory Note One	1,025	—
Equity financing costs included in Accrued liabilities	14	—
Operating lease right-of-use assets obtained in exchange for lease liabilities	4,963	—
Finance lease right-of-use assets obtained in exchange for lease liabilities	123	—
Cash paid for interest	473	1,276
Cash paid for income taxes	—	—
Purchases of property & equipment included in Accrued liabilities	69	404
Patent costs included in Accrued liabilities	10	—

The accompanying Notes are an integral part of these unaudited condensed financial statements.

Notes to Unaudited Condensed Financial Statements

**Note 1 – Organization and Description of Business**

Biodesix, Inc. (the “Company”, “Biodesix”, “we” “us” and “our”), formerly Elston Technologies, Inc., was incorporated in Delaware in 2005. The Company’s headquarters are in Colorado, with laboratories in Colorado and Kansas. The Company conducts all of its operations within a single legal entity. Biodesix is a data-driven diagnostic solutions company leveraging state of the art technologies with its proprietary artificial intelligence platform to discover, develop, and commercialize solutions for clinical unmet needs, with a primary focus in lung disease. In addition to diagnostic tests, the Company provides biopharmaceutical companies with services that include diagnostic research, clinical trial testing, and the discovery, development, and commercialization of companion diagnostics.

The Company performs its blood-based diagnostic tests in its laboratory facilities, which are located in Boulder, Colorado and De Soto, Kansas. In May 2020, the Federal Drug Administration (FDA) granted Emergency Use Authorization (EUA) of the Bio-Rad SARS-CoV-2 Droplet Digital™ polymerase chain reaction (ddPCR) test to detect Coronavirus Disease 2019 (COVID-19) infection. In April 2020, the FDA authorized the Platelia SARS-CoV-2 Total Ab test to detect COVID-19 antibodies. Medical products that are granted an EUA are only permitted to commercialize their products under the terms and conditions provided in the authorization. The FDA may revoke an EUA where it is determined that the underlying health emergency no longer exists or warrants such authorization, if the conditions for the issuance of the EUA are no longer met, or if other circumstances make revocation appropriate to protect the public health or safety.

**Blood-Based Lung Tests**

The Company offers five blood-based lung cancer tests across the lung cancer continuum of care:

Diagnosis

- *Nodify XL2®* and *Nodify CDT®* tests, marketed as our Nodify Lung® Nodule Risk Assessment testing strategy, assess the risk of lung cancer to help identify the most appropriate treatment pathway. We believe we are the only company to offer two commercial blood-based tests to help physicians reclassify risk of malignancy in patients with suspicious lung nodules.

Treatment & Monitoring

- *GeneStrat® ddPCR™* and *VeriStrat®* tests, marketed as part of our new IQLung™ testing strategy, are used following diagnosis of lung cancer to measure the presence of mutations in the tumor and the state of the patient’s immune system to establish the patient’s prognosis and help guide treatment decisions. The GeneStrat ddPCR tumor profiling test and the VeriStrat immune profiling test have a 36-hour average turnaround time, providing physicians with timely results to facilitate treatment decisions.
- *GeneStrat NGS™ (NGS)* test, also marketed as part of our new IQLung testing strategy, our 72-hour average turnaround time blood-based NGS test, was launched in November 2021 to a select group of physicians, with national launch in January 2022. The 52-gene panel includes guideline recommended mutations to help physicians treating advanced-stage lung cancer patients identify targeted therapy mutations in genes, such as EGFR, ALK, KRAS, MET, NTRK, ERBB2, and others, and delivers them in an expedited timeframe so patient treatment can begin sooner.

**COVID-19 Tests**

We operate and have commercialized the Biodesix WorkSafe testing program, under which the Company offers three SARS-CoV-2 tests:

- *Bio-Rad SARS-CoV-2 ddPCR* test, which is FDA EUA authorized to be performed by Clinical Laboratory Institute Amendments (CLIA) authorized laboratories that perform high complexity tests. The ddPCR test is designed to detect the presence of current infection by the SARS-CoV-2 virus.
- *Platelia SARS-CoV-2 Total Ab* test, which is an antibody test, FDA EUA authorized, intended for detecting a B-cell immune response to SARS-CoV-2, indicating recent or prior infection.
- *cPass™ SARS-CoV-2 Neutralization Antibody* test, which is the first blood-based surrogate neutralizing antibody test with FDA EUA and uses ELISA technology to qualitatively detect circulating neutralizing antibodies to the receptor binding domain (RBD) in the spike protein of SARS-CoV-2 that are produced in response to a previous SARS-CoV-2 infection. This test was commercially introduced in partnership with GenScript Biotech Corporation.

These tests under the Biodesix WorkSafe testing program are utilized by healthcare providers, including hospitals and nursing homes, and are also offered to businesses and educational systems to assist in their back-to-work or back-to-school strategies, a crucial element of restarting economic activity.

## Notes to Unaudited Condensed Financial Statements

In developing the Company's products, the Company has built or gained access to unique biorepositories, proprietary technology, and bioinformatics methods that it believes are important to the development of new targeted therapies, determining clinical trial eligibility and guiding treatment selection. The Company's testing services are made available through its clinical laboratories.

**Note 2 – Summary of Significant Accounting Policies*****Basis of Presentation***

The accompanying Unaudited Condensed Financial Statements have been prepared in accordance with the instructions to Form 10-Q and Rule 10-01 of Regulation S-X for interim financial information and reflect all adjustments necessary to state fairly the Company's financial position, results of operations and cash flows for the interim periods presented. All such adjustments are of a normal recurring nature. Results for interim periods are not indicative of the results for the entire fiscal year. The accompanying Unaudited Condensed Financial Statements should be read in conjunction with the audited Financial Statements included in the Company's Annual Report on Form 10-K for the year ended December 31, 2021. Certain information and footnote disclosures, including significant accounting policies, normally included in fiscal year financial statements prepared in accordance with accounting principles generally accepted in the U.S. (GAAP) have been condensed or omitted. The Condensed Balance Sheet as of December 31, 2021 was derived from the audited financial statements.

As of September 30, 2022, we maintained cash and cash equivalents of \$15.2 million and we have \$21.4 million in outstanding aggregate principal amount on our 2021 Term Loan and Promissory Note One. We have incurred significant losses since inception and, as a result, we have funded our operations to date primarily through the sale of common stock, the sale of convertible preferred stock, the issuance of notes payable, and from our two primary revenue sources: (i) diagnostic testing, which include lung diagnostic testing and COVID-19 testing, and (ii) providing biopharmaceutical companies with development and testing services. In accordance with Accounting Standards Update 2014-15 (ASC Topic 205-40), *Presentation of Financial Statements - Going Concern: Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern*, the Company is required to evaluate whether there is substantial doubt about its ability to continue as a going concern each reporting period, including interim periods. In evaluating the Company's ability to continue as a going concern, management projected its cash flow sources, including the debt and equity funding and amendments to the 2021 Term Loan and Integrated Diagnostics, Inc. (Indi) Agreement, and evaluated the conditions and events that could raise substantial doubt about the Company's ability to continue as a going concern within one year after the date that these financial statements were issued. Management considered the Company's current projections of future cash flows, current financial condition, sources of liquidity and debt obligations for at least one year from the date of issuance of this Form 10-Q in considering whether it has the ability to meet its obligations.

Our ability to meet our obligations as they come due may be impacted by our ability to remain compliant with financial covenants in our loan agreements (see *Note 6 – Debt*) or to obtain waivers or amendments that impact the related covenants. Due to the continued uncertainty caused by the COVID-19 pandemic, significant risks remain with respect to our ability to meet these thresholds and any material adverse effect on our revenues, income and expenses could impact our ability to maintain compliance with these covenants.

Based on our current operating plan, unless we continue to raise additional capital (debt or equity) or obtain a waiver from complying with such financial covenants, we expect that we will be unable to maintain our financial covenants under our existing loan agreements during the next twelve months, which could result in an Event of Default, as defined, causing an acceleration and repayment of the outstanding balances. We have taken steps to improve our liquidity through raising debt and equity capital during 2022, amendments to our 2021 Term Loan, and have also undertaken several proactive measures to mitigate the financial and operational impacts of the COVID-19 pandemic through the reduction of planned capital expenditures and certain operating expenses but we do not expect that these actions alone will be sufficient to maintain our financial covenants. During the three months ended June 30, 2022, we entered into a \$25.0 million debt facility with funding for up to \$25.0 million in two tranches. On May 9, 2022, we closed on the first tranche for gross proceeds of \$15.0 million (approximately \$12.8 million, net, after deducting debt issuance costs and original issue discounts (OID)). We also amended the Indi Agreement to delay near term cash requirements and extend the period of milestone payments. To maintain an adequate amount of available liquidity and execute our current operating plan, we will need to continue to raise additional funds from external sources, such as through the issuance of equity or debt securities; however, we have not secured such funding at the time of this filing and any such financing activities are subject to market conditions. If we do raise additional capital through public or private equity offerings, the ownership interest of our existing stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect our existing stockholders' rights. There can be no assurance that additional capital will be available to us or, if available, will be available in sufficient amounts or on terms acceptable to us or on a timely basis. If adequate capital resources are not available on a timely basis, we intend to consider limiting our operations substantially. This limitation of operations could include a hiring freeze, reductions in our workforce, reduction in cash compensation, deferring capital expenditures, and reducing other operating costs.

Notes to Unaudited Condensed Financial Statements

The Company's revenues, results of operations and cash flows have been materially adversely impacted by the items noted above. We expect to continue to incur operating losses in the near term while we make investments to support our anticipated growth. Our current operating plan, which is in part determined based on our most recent historical actual results and trends, along with the items noted above, raises substantial doubt about the Company's ability to continue as a going concern for a period beyond one year after these financial statements are issued. Our unaudited financial statements have been prepared assuming we will continue as a going concern and do not include any adjustments that might be necessary should we be unable to continue as a going concern.

**Use of Estimates**

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the balance sheet date and the reported amounts of revenue and expenses during the reporting periods. Actual results could differ from those estimates.

**Concentration of Credit Risk and Other Uncertainties**

Substantially all of the Company's cash and cash equivalents are deposited with two major financial institutions in the United States. The Company continually monitors its positions with, and the credit quality of, the financial institution with which it holds cash. Periodically throughout the year, the Company has maintained balances in various operating accounts in excess of federally insured limits. The Company has not experienced any losses on its deposits of cash and cash equivalents.

Several of the components for certain of the Company's sample collection kits, test reagents, and test systems are obtained from single-source suppliers. If these single-source suppliers fail to satisfy the Company's requirements on a timely basis, it could suffer delays in being able to deliver its diagnostic solutions, a possible loss of revenue, or incur higher costs, any of which could adversely affect its operating results.

For a discussion of credit risk concentration of accounts receivable as of September 30, 2022 and December 31, 2021, see *Note 9 – Revenue and Accounts Receivable Credit Concentration*.

**Inventory**

Inventory consists primarily of material supplies, which are consumed in the performance of testing services and charged to 'Direct costs and expenses'. Inventory is stated at cost and reported within 'Other current assets' in the balance sheet and was \$1.4 million and \$2.9 million as of September 30, 2022 and December 31, 2021, respectively. The Company recorded a reserve for excess inventory of \$0.3 million and zero, primarily associated with the wind down of the COVID-19 testing operation, as of September 30, 2022 and December 31, 2021, respectively.

**Fair Value of Financial Instruments**

U.S. GAAP for fair value establishes a hierarchy that prioritizes fair value measurements based on the types of inputs used for the various valuation techniques (market approach, income approach, and cost approach). We utilize a combination of market and income approaches to value our financial instruments. Our financial assets and liabilities are measured using inputs from the three levels of the fair value hierarchy. Fair value measurements are categorized within the fair value hierarchy based upon the lowest level of the most significant inputs used to determine fair value.

The three levels of the hierarchy and the related inputs are as follows:

Level	Inputs
1	Unadjusted quoted prices in active markets for identical assets and liabilities.
2	Unadjusted quoted prices in active markets for similar assets and liabilities; Unadjusted quoted prices for identical or similar assets or liabilities in markets that are not active; or Inputs other than quoted prices that are observable for the asset or liability.
3	Unobservable inputs for the asset or liability.

The carrying amounts of certain financial instruments including cash and cash equivalents, accounts receivable, prepaid expenses and other current assets, other long-term assets, accounts payable and accrued liabilities approximate fair value due to their relatively short maturities.

See *Note 4 – Fair Value* for further discussion related to estimated fair value measurements.

**Other Assets**

During the three months ended September 30, 2022, the \$5.0 million cash collateralized letter of credit under the operating lease agreement with Centennial Valley Properties I, LLC (see *Note 7 – Leases*) was released and the funds were subsequently transferred to the landlord (lessor) as a refundable deposit to secure the performance of the Company's obligations. The \$5.0 million refundable deposit

Notes to Unaudited Condensed Financial Statements

is now reported within 'Other long-term assets' in the balance sheet as of September 30, 2022. In addition, \$0.1 million of restricted cash deposits related to the Company's corporate credit cards are reported within 'Other current assets' in the balance sheets as of September 30, 2022 and December 31, 2021, respectively.

**Note 3 - Recently Issued Accounting Standards**

*Recently adopted accounting standards*

In February 2016, the FASB issued Account Standard Update (ASU) No. 2016-2, *Leases* (ASC 842). This ASU intends to make accounting for leasing activities more transparent and comparable, and requires substantially all leases be recognized by lessees on their balance sheet as a right-of-use asset and corresponding lease liability, including leases accounted for as operating leases. In addition to other related amendments, the FASB issued ASU No. 2018-11, *Leases (Topic 842): Targeted Improvements*, which offers an additional transition method whereby entities may apply the new leases standard at the adoption date and recognize a cumulative-effect adjustment to the opening balance of retained earnings rather than application of the new leases standard at the beginning of the earliest period presented in the financial statements. The Company elected this transition method and adopted ASC 842 on January 1, 2022 and as a result, recorded operating lease right-of-use (ROU) assets of \$1.3 million, including offsetting deferred rent of \$0.1 million, along with the associated operating lease liabilities of \$1.3 million. On January 1, 2022, the Company did not have any finance leases. The adoption of ASC 842 did not result in a cumulative effect adjustment to beginning retained earnings, and did not materially affect the Company's statement of operations, statement of stockholders' equity or statement of cash flows for the nine months ended September 30, 2022.

In addition, the Company elected the following practical expedients permitted under the transition guidance within the new standard:

- Package of practical expedients which allows the Company to carry forward the historical lease classification;
- Hindsight practical expedient which allows the Company to use hindsight in determining the lease term, in assessing purchase options, and in assessing impairment of ROU assets;
- Short-term lease practical expedient which allows the Company to capitalize only those leases with an initial term of twelve months or more, and;
- The practical expedient to account for lease and non-lease components (such as common area maintenance, utilities, insurance and taxes) as a single lease component for all classes of underlying assets.

Management determines if an arrangement is a lease at inception or upon modification of a contract. Leases are classified as either financing or operating, with classification affecting the pattern of expense recognition in the statements of operations. When determining whether a lease is a finance lease or an operating lease, ASC 842 does not specifically define criteria to determine the "major part of remaining economic life of the underlying asset" and "substantially all of the fair value of the underlying asset." For lease classification determination, Management continues to use (i) 75% or greater to determine whether the lease term is a major part of the remaining economic life of the underlying asset and (ii) 90% or greater to determine whether the present value of the sum of lease payments is substantially all of the fair value of the underlying asset.

ROU assets represent the Company's right to use an underlying asset for the lease term. Lease liabilities represent the Company's obligation to make lease payments under the lease. Operating lease ROU assets and liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term. In determining the present value of lease payments, the Company uses either the rate implicit in the lease or its incremental borrowing rate, as applicable, based on the information available at lease commencement date. The Company applies the estimated incremental borrowing rates on a lease-by-lease level based on the economic environment associated with the lease. The operating lease ROU asset also includes any lease prepayments, net of lease incentives. Certain of the Company's leases include options to extend or terminate the lease. As leases approach maturity, the Company considers various factors such as market conditions and the terms of any renewal and termination options that may exist to determine whether we will renew or terminate the lease, as such, we generally do not include renewal or termination options in our lease terms for calculating our lease liability, as the options allow us to maintain operational flexibility and we are not reasonably certain we will exercise these options at the time of the lease commencement. The Company's lease agreements do not contain any material residual value guarantees or restrictive covenants. Lease expense for lease payments of operating leases is recognized on a straight-line basis over the term of the lease. The Company uses the long-lived assets impairment guidance to determine recognition and measurement of an ROU asset impairment, if any. The Company monitors for events or changes in circumstances that require a reassessment.

Additional information and disclosures required by this new standard are contained in *Note 7 — Leases*.

*Standards Being Evaluated*

In June 2016, the FASB issued ASU No. 2016-13, *Financial Instruments-Credit Losses: Measurement of Credit Losses on Financial Instruments* (ASC Topic 326). This ASU requires measurement and recognition of expected credit losses for financial assets. This

Notes to Unaudited Condensed Financial Statements

guidance will become effective for the Company beginning January 1, 2023 with early adoption permitted. The Company is currently evaluating this guidance and assessing the overall impact on its financial statements.

**Note 4 - Fair Value**

*Recurring Fair Value Measurements*

Our borrowing instruments are recorded at their carrying values in the balance sheets, which may differ from their respective fair values. The difference between the carrying value and fair value of outstanding borrowings as of September 30, 2022 is due to the debt issuance costs and OID netted against Promissory Note One entered into with Streeterville Capital, LLC, in May 2022, partially offset by an increase in the interest rates to reflect current market and Company specific conditions. The carrying value of outstanding borrowings as of December 31, 2021, approximates fair value based on interest rates available at that time for similar borrowings. The table below presents the carrying and fair values of outstanding borrowings, which are classified as Level 2, as of the dates indicated (in thousands):

	As of			
	September 30, 2022		December 31, 2021	
	Carrying Value	Fair Value	Carrying Value	Fair Value
Borrowings	\$ 19,214	\$ 20,686	\$ 10,012	\$ 10,012

The financial liabilities that are measured and recorded at estimated fair value on a recurring basis consist of our contingent consideration associated with our previous acquisition of Indi which is accounted for as a liability and remeasured through our statements of operations.

The table below presents the reported fair values of contingent consideration, which is classified as Level 3 in the fair value hierarchy, as of the dates indicated (in thousands):

Description	September 30, 2022	December 31, 2021
Current portion of contingent consideration	\$ 9,286	\$ 17,764
Contingent consideration	20,891	16,028
Total contingent consideration	<u>\$ 30,177</u>	<u>\$ 33,792</u>

The following table presents the changes in contingent consideration for the nine months ended September 30, 2022 and 2021 (in thousands):

Level 3 Rollforward	For the nine months ended September 30,	
	2022	2021
Beginning balances - January 1	\$ 33,792	\$ 29,932
Changes in fair value	—	1,622
Interest expense	2,142	1,296
Loss on extinguishment of liabilities	2,934	—
Payments of contingent consideration	(8,691)	—
Ending balances - September 30	<u>\$ 30,177</u>	<u>\$ 32,850</u>

*Contingent Consideration*

In connection with the acquisition of Indi in 2018, the Company recorded contingent consideration for amounts contingently payable to Indi's selling shareholders pursuant to the terms of the asset purchase agreement (the Indi APA). The contingent consideration arrangement requires additional consideration to be paid by the Company to such shareholders upon attainment of a three-consecutive month gross margin target of \$2.0 million within the seven-year period after the acquisition date. Under the terms of the original agreement, when the gross margin target was met the Company was required to issue 2,520,108 shares of common stock. For the six months following the achievement of the gross margin target, Indi had the option to require the Company to redeem these common shares for \$37.0 million in cash over eight equal quarterly installments. If Indi elected to not exercise its option, the Company had 12 months to repurchase the common stock in two equal and consecutive quarterly cash installments totaling \$37.0 million.

The Company met the gross margin target of \$2.0 million for three consecutive months during the three months ended June 30, 2021. The Company entered into an amendment to the original agreement in August 2021 in which all parties agreed to forgo the issuance of common stock and agreed that the Company will in lieu thereof make six quarterly installments of approximately \$4.6 million each beginning in January 2022 and a final payment of approximately \$9.3 million in July 2023 for a total of \$37.0 million (the Milestone

Notes to Unaudited Condensed Financial Statements

Payments and each individually a Milestone Payment). The aggregate amount of payments owed by the Company under this amendment is the same as if Indi had exercised the put right or the Company had exercised the call right provided for in the original agreement.

On April 7, 2022, the Company entered into Amendment No. 3 to the Indi APA in which the parties agreed to restructure the Milestone Payments whereby the Company will make five quarterly installments of \$2.0 million each beginning in April 2022, three quarterly installments of \$3.0 million beginning in July 2023, one installment of \$5.0 million in April 2024, and one installment of approximately \$8.4 million in July 2024. In addition, the Company agreed to an exit fee of approximately \$6.1 million in October 2024. Interest shall accrue on the difference between the payment schedule as agreed in the August 2021 amendment and the April 2022 amended payment schedule, at an aggregate per annum rate equal to 10%, with such interest to be payable quarterly on the following installment payment date. Our ability to make these payments are subject to consent from Silicon Valley Bank (SVB) under the 2021 Term Loan and related amendments (see *Note 6 - Debt*). We have obtained SVB consent for contractual payments through the fourth Milestone Payment and interest of \$2.1 million paid in October 2022.

The contingent consideration liability is accounted for at fair value and subject to certain unobservable inputs. The significant unobservable inputs used in the measurement of the fair value include the probability of successful achievement of the specified product gross margin targets, the period in which the targets were expected to be achieved, and discount rates which ranged from 11% to 16%. As a result of the achievement of the gross margin target, the only remaining significant unobservable input used in the measurement of fair value includes the discount rate since all other inputs became fixed and determinable. Significant increases or decreases in the discount rate would result in a significantly higher or lower fair value measurement. During the three months ended June 30, 2022, the Company recorded \$1.1 million in interest expense due to the passage of time and fixed payment schedule, partially offset by a reduction to the contingent consideration balance of \$1.0 million due to an increase in the discount rate to reflect current market and Company specific conditions, resulting in \$0.1 million, net recorded as 'Interest expense' in the statements of operations.

The Company evaluated Amendment No. 3 to the Indi APA in accordance with applicable accounting standards under U.S. GAAP which resulted in the extinguishment of the original instrument due to the substantially different terms. As a result, during the three months ended June 30, 2022, we recorded a loss on extinguishment of \$2.9 million in the statements of operations.

During the three and nine months ended September 30, 2022, the Company recorded \$1.2 million and \$2.1 million, respectively, and \$1.0 million and \$1.3 million during three and nine months ended September 30, 2021, respectively, in interest expense due to the passage of time and fixed payment schedule.

Contingent consideration expected to be paid in the next twelve months is recorded in the balance sheets as 'Current portion of contingent consideration' while the remaining amount to be paid is recorded as 'Contingent consideration' within non-current liabilities. The net change to contingent consideration through the date the gross margin target was met is recorded as operating expenses in the statements of operations. Subsequent changes to the contingent consideration following the achievement of the gross margin target are recorded as 'Interest expense' in the statements of operations resulting from the passage of time and fixed payment schedule.

**Note 5 – Supplementary Balance Sheet Information**

Property and equipment consist of the following (in thousands):

	September 30, 2022	December 31, 2021
Lab equipment	\$ 6,778	\$ 6,784
Leasehold improvements	2,365	2,339
Computer equipment	703	700
Furniture and fixtures	341	391
Software	325	600
Vehicles	97	97
Construction in process	1,067	17
	11,676	10,928
Less: accumulated depreciation	(7,417)	(6,749)
Total property and equipment, net	\$ 4,259	\$ 4,179

Depreciation expense for the three and nine months ended September 30, 2022 was \$0.4 million and \$1.2 million, respectively, compared to \$0.3 million and \$0.8 million for the three and nine months ended September 30, 2021, respectively.

Notes to Unaudited Condensed Financial Statements

Intangible assets, excluding goodwill, consist of the following (in thousands):

	September 30, 2022			December 31, 2021		
	Cost	Accumulated Amortization	Net Carrying Value	Cost	Accumulated Amortization	Net Carrying Value
Intangible assets subject to amortization						
Patents	\$ 1,813	\$ (623)	\$ 1,190	\$ 1,755	\$ (566)	\$ 1,189
Purchased technology	16,900	(7,981)	8,919	16,900	(6,572)	10,328
Intangible assets not subject to amortization						
Trademarks	114	—	114	100	—	100
Total	<u>\$ 18,827</u>	<u>\$ (8,604)</u>	<u>\$ 10,223</u>	<u>\$ 18,755</u>	<u>\$ (7,138)</u>	<u>\$ 11,617</u>

Amortization expense related to definite-lived intangible assets was \$0.5 million and \$1.5 million for both the three and nine months ended September 30, 2022 and 2021, respectively.

Future estimated amortization expense of intangible assets is (in thousands):

	As of September 30, 2022
Remainder of 2022	\$ 493
2023	1,970
2024	1,960
2025	1,955
2026	1,941
2027 and thereafter	1,790
Total	<u>\$ 10,109</u>

Accrued liabilities consist of the following (in thousands):

	September 30, 2022	December 31, 2021
Compensation related accruals	\$ 3,609	\$ 4,029
Accrued clinical trial expense	972	870
Other expenses	2,096	2,766
Total accrued liabilities	<u>\$ 6,677</u>	<u>\$ 7,665</u>

**Note 6 – Debt**

Our long-term debt primarily consists of notes payable associated with Promissory Note One and our 2021 Term Loan which is described in further detail below. Long-term notes payable were as follows (in thousands):

	September 30, 2022	December 31, 2021
Promissory Note One	\$ 16,409	\$ —
2021 Term Loan	5,000	10,000
Other	139	75
Unamortized debt discount and issuance costs	(2,334)	(63)
	<u>19,214</u>	<u>10,012</u>
Less: current maturities	14,334	19
Long-term notes payable	<u>\$ 4,880</u>	<u>\$ 9,993</u>



## Notes to Unaudited Condensed Financial Statements

**Securities Purchase Agreement**

On May 9, 2022 (the First Closing Date), the Company entered into a securities purchase agreement (the SPA) with Streeterville Capital, LLC (Lender), pursuant to which, among other things, the Lender: (i) purchased a secured promissory note (Promissory Note One) in the aggregate principal amount totaling \$16.0 million in exchange for \$15.0 million less certain expenses and (ii) agreed to purchase another secured promissory note at the Company's election (Promissory Note Two and, together with Promissory Note One, the Promissory Notes), subject to certain conditions precedent in aggregate principal amount totaling \$10.3 million in exchange for \$10.0 million in cash proceeds. Each of the Promissory Notes may, at the Company's option, be settled in shares of common stock of the Company (the Common Stock), upon the terms and subject to the limitations and conditions set forth in the Promissory Notes. The Company's net proceeds from the issuance of Promissory Note One were approximately \$12.8 million, after deducting debt issuance costs and original issue discount (OID). The Company intends to use the proceeds from such issuance for general corporate purposes.

The Promissory Notes have a stated interest rate of 6% per annum. The maturity date of each Promissory Note is 24 months from the issuance date of such Note (the Maturity Date). Promissory Note One was issued with an OID of \$1.0 million while Promissory Note Two, if issued, will be subject to an OID of \$0.3 million subject to certain contingencies which could increase the OID by an additional \$0.5 million. The Promissory Notes are eligible for early payment for cash, at the Company's election, subject to a prepayment premium of 10% of the outstanding principal balance.

The Company's ability to draw Promissory Note Two is subject to the satisfaction, among other things, of the following conditions: (i) within nine months following the First Closing Date, repayment in full all outstanding obligations under the 2021 Term Loan, (ii) the Company shall have received no less than \$5.6 million in proceeds from the sale (not attributable to Lender or its affiliates) of newly issued equity securities during the period beginning on the First Closing Date and ending on January 31, 2023 (the Second Closing Date), (iii) on or before the Second Closing Date, the Company shall have met or exceeded Revenue Milestone 1 (as defined in the Promissory Notes), (iv) (a) the aggregate market value of the Company's common stock and any other equity securities held by persons that are not affiliates of the Company on the Second Closing Date shall be greater than or equal to \$75.0 million or (b) received no less than \$20.0 million in additional proceeds from the sale (not attributable to Lender or its affiliates) of new equity securities in the Company not counting those proceeds set forth in item (ii) above (for total proceeds of no less than \$25.6 million during the period beginning on the First Closing Date and ending on the Second Closing Date; (v) as of the Second Closing Date, Company is in good standing with Nasdaq Stock Market (the NASDAQ) and has not received any notice of non-compliance; (vi) Company shall be current in its payments to Indi, and (vii) there being no Trigger Event (as defined in the Promissory Notes) under Promissory Note One. If Promissory Note Two is issued, the terms of Promissory Note One and Note Two will be substantively identical.

Under the SPA, the parties provided customary representations and warranties to each other. Also, until all amounts due under the Promissory Notes are paid in full, the Company agreed, among other things, to: (i) timely make all filings under the Securities Exchange Act of 1934, (ii) ensure that its Common Stock continues to be listed on the NASDAQ or the New York Stock Exchange, (iii) not enter into any agreement or otherwise agree to any covenant, condition, or obligation that locks up, restricts in any way or otherwise prohibits Company: (a) from entering into a variable rate transaction with Lender or any affiliate of Lender, or (b) from issuing Common Stock, preferred stock, warrants, convertible notes, other debt securities, or any other Company securities to Lender or any affiliate of Lender, (iv) will not make any Restricted Issuances (as defined in the Promissory Notes) without Lender's prior written consent, which consent may be granted or withheld in Lender's sole and absolute discretion (v) within 9 months following the First Closing Date, the Company will repay in full all outstanding obligations under the 2021 Term Loan, (vi) beginning on April 1, 2023, Company shall maintain a minimum liquidity balance of at least \$3.0 million (which liquidity balance shall only include cash, cash equivalents and accounts receivable), and (vii) offer the Lender the right to purchase up to 30% of future equity and debt securities offerings, subject to certain exceptions and limitations. The Company also agreed under the SPA to reserve with the Company's transfer agent 37.0 million shares of Common Stock for potential issuance under the Promissory Notes for shares that may be delivered in connection with the redemption right, which reservation may be increased and decreased in certain circumstances.

Beginning on the date that is nine months after the issuance date of the applicable Promissory Note, the Lender has the right to redeem up to \$1.4 million and \$1.0 million of the outstanding balance of Promissory Note One and Promissory Note Two per month, respectively. Payments may be made by the Company, at the Company's option, either in (a) in cash, or (b) in the form of shares of Common Stock with the number of redemption shares being equal to the portion of the applicable redemption amount divided by the Redemption Conversion Price or (c) a combination of cash and shares of Common Stock. The Promissory Notes have a 6% exit fee on any redemption amount paid in cash. The Redemption Conversion Price shall equal 85% multiplied by the lowest daily VWAP during the ten trading days immediately preceding the date the Lender delivers notice electing to redeem a portion of the Promissory Note. The Company's right to satisfy the redemption amount in shares of Common Stock is subject to certain limitations, including (i) there not being any Equity Conditions Failure (as defined in the Note), (ii) the Lender and its affiliates together not owning more than 9.99% of the outstanding shares of Common Stock, and (iii) the aggregate shares of Common Stock issued upon redemption of the Promissory

Notes to Unaudited Condensed Financial Statements

Notes not exceeding 19.99% of the outstanding Common Stock unless the Company has obtained stockholder approval under NASDAQ rules for such issuance.

The Promissory Notes contain certain Trigger Events that generally, if uncured within five trading days, may result in an event of default in accordance with the terms of the Promissory Notes (such event, an Event of Default). Upon an Event of Default, the interest rate may also be increased to the lesser of 15% per annum or the maximum rate permitted under applicable law.

The Company evaluated Promissory Note One in accordance with applicable accounting standards under U.S. GAAP and determined the classification of the instrument as a debt obligation. In addition, the Company evaluated the instrument for embedded derivatives and concluded there were no embedded features that require bifurcation and separate accounting. The Company will record interest expense over the term of Promissory Note One, using the interest method, to amortize the debt issuance costs and OID.

On May 9, 2022, the Company recorded OID and debt issuance costs of \$3.2 million as a reduction to Promissory Note One to be amortized over the term of Promissory Note One. For the three and nine months ended September 30, 2022, the Company recorded \$0.6 million and \$0.9 million, respectively, for amortization of the OID and debt issuance costs to interest expense in the accompanying statements of operations. In addition to the amortization of the OID and debt issuance costs, the Company recorded interest expense of \$0.3 million and \$0.4 million, respectively, in the accompanying statements of operations for the three and nine months ended September 30, 2022, and as of September 30, 2022, recorded \$0.4 million in accrued interest in 'Current portion of notes payable' in the accompanying balance sheets.

**2021 Term Loan**

On March 19, 2021 (Effective Date), the Company entered into a Loan and Security Agreement (the 2021 Term Loan) by and between Silicon Valley Bank, a California corporation (SVB) and the Company, as borrower, whereby subject to the terms and conditions of the 2021 Term Loan, SVB advanced to the Company an original principal amount of \$30 million.

The 2021 Term Loan provides for an "interest-only" period from the Effective Date through February 28, 2023, with interest due and payable monthly on the first calendar day of each month. However, the Company achieved a revenue milestone of at least \$65 million on a trailing twelve-month basis during the three months ended March 31, 2021 which automatically extended the interest-only period through February 28, 2024. Beginning on the first calendar day of the month following the end of the interest-only period, the 2021 Term Loan shall be payable in (i) consecutive equal installments of principal through March 1, 2026, plus (ii) monthly payments of accrued interest. The principal amount outstanding under the 2021 Term Loan shall accrue interest at a floating per annum rate equal to the greater of (i) 2.00% above the prime rate, or (ii) 5.25%, which interest, in each case, shall be payable monthly. Changes to the interest rate applicable to the 2021 Term Loan based on changes to the prime rate shall be effective on the effective date of any change to the prime rate.

The Company has the option to prepay, prior to maturity, the total outstanding principal amount plus accrued and unpaid interest, subject to a prepayment penalty of 3% of the principal amount if paid prior to the first anniversary of the Effective Date, 2% of the principal amount if paid on or after the first anniversary but prior to the second anniversary of the Effective Date, 1% of the principal amount if paid on or after the second anniversary but prior to October 19, 2025, and 0% thereafter.

The Company granted SVB a security interest in substantially all of the Company's assets. The 2021 Term Loan requires the Company to comply with a minimum liquidity ratio covenant (as defined) by the 2021 Term Loan of not less than 0.95 to 1.00, and had a trailing six month rolling minimum revenue requirement of not less than 70% of the Company's projected revenue performed at the end of each reporting period. On September 30, 2021, we entered into the Consent and First Amendment to Loan and Security Agreement (the 2021 Term Loan Amendment) to, among other things, amend our 2021 Term Loan to eliminate the revenue covenant for the period ended September 30, 2021 and modify the revenue covenant threshold for the three months ended December 31, 2021. In addition, we agreed to establish a restricted cash collateral account for \$15 million for the benefit of SVB if the balance of our cash and cash equivalents declined below \$40 million. On December 31, 2021, we entered into the Consent and Second Amendment to Loan and Security Agreement (the 2021 Term Loan Second Amendment) to, among other things, amend our 2021 Term Loan and First Amendment to: (i) obtain consent for the \$4.6 million January 2022 milestone payment under the Indi APA, (ii) repay \$20 million in outstanding principal on December 31, 2021, (iii) waive the \$600,000 prepayment fee on the \$20 million Term Loan repayment, (iv) waive the minimum revenue covenant as of December 31, 2021, and (v) modify the minimum revenue requirement to not less than 75% for the three months ended March 31, 2022 and not less than 75% on a trailing six month rolling basis for each quarter thereafter of the Company's projected revenue performed at the end of each reporting period. SVB agreed to apply the full amount of funds previously established within the restricted cash collateral account to partially repay the \$20 million in outstanding principal, thereby eliminating the restricted cash collateral account.

On April 7, 2022, the Company entered into the Consent and Third Amendment to Loan and Security Agreement (the 2021 Term Loan Third Amendment). Under the terms of the 2021 Term Loan Third Amendment, the Company agreed to the repayment of \$3.0 million

Notes to Unaudited Condensed Financial Statements

in outstanding principal in April 2022 with an additional \$2.0 million that was paid on September 30, 2022, in exchange for: (i) consent for a \$2.0 million April 2022 milestone payment under the Indi APA, as amended, (ii) waiver of minimum revenue requirement for the three months ended March 31, 2022 and adjustment of remaining revenue milestones for 2022, and (iii) waiver and elimination of the prepayment fee on the \$3.0 million 2021 Term Loan partial repayment in April 2022 and subsequent \$2.0 million principal repayment.

On September 30, 2022, the Company entered into the Consent and Fourth Amendment to Loan and Security Agreement (the 2021 Term Loan Fourth Amendment). Under the terms of the 2021 Term Loan Fourth Amendment, the Company agreed to a repayment of \$2.0 million in outstanding principal on the earlier of (a) November 30, 2022, or (b) the date on which our unrestricted cash held with SVB falls below \$10.0 million, which could be extended to December 15, 2022, subject to equity fund raising of at least \$5 million, in exchange for: (i) consent for the \$2.1 million October 2022 Milestone Payment, including accrued interest, under the Indi APA, as amended, and (ii) waiver and elimination of the prepayment fee on the subsequent \$2.0 million 2021 Term Loan principal repayment.

In association with entering into the SPA with the Lender on May 9, 2022 (as described above), the Company has the election to issue Promissory Note Two subject to the Company satisfying, among other things, repaying in full all outstanding obligations under the 2021 Term Loan within nine months following the First Closing Date. As of September 30, 2022, the Company intends to repay all outstanding obligations under the 2021 Term Loan within nine months of the inception of Promissory Note One. The Company's final payment to SVB shall include all outstanding principal and accrued and unpaid interest, lender fees and expenses, which will include a final payment of \$2.7 million, and all other sums, if any, that shall have become due and payable hereunder with respect to the 2021 Term Loan. The \$2.7 million final payment is being amortized as interest expense over the expected remaining term of the loan.

The 2021 Term Loan contains certain covenants limiting the ability of the Company to, among other things, incur future debt, transfer assets except for the ordinary course of business, make acquisitions, pay dividends or make other certain restricted payments, or sell assets, subject to certain exceptions, without the prior written consent of SVB. Failure to comply with the covenants and loan requirements may result in an event of default. As of September 30, 2022, the Company was in compliance with all restrictive and financial covenants associated with its borrowings. In the event of a default, including, among other things, our failure to make any payment when due or our failure to comply with any covenant under the 2021 Term Loan, SVB may elect to declare all amounts outstanding to be immediately due and payable, and may proceed against the collateral granted to them to secure such indebtedness, including a royalty-free license or other right to use all of our intellectual property without charge.

Scheduled principal repayments (maturities) of long-term obligations were as follows, assuming the exercise of redemptions related to Promissory Note One by the Lender and repayment of the 2021 Term Loan within nine months following the First Closing Date, (in thousands):

	As of September 30, 2022
Remainder of 2022	\$ 2,010
2023	17,860
2024	1,647
2025	25
2026	6
2027 and thereafter	—
Total	\$ 21,548

**Note 7 - Leases**

*Operating Leases*

The Company acts as a lessee under all its lease agreements. The Company leases its headquarters and laboratory facilities in Boulder, Colorado, under a non-cancelable lease agreement for approximately 29,722 square feet that was set to expire in January 2023. In January 2022, the Company amended the agreement to extend the lease agreement through January 2024, resulting in an additional \$1.2 million in ROU assets and lease liabilities recorded during the three months ended March 31, 2022. The Company also leases laboratory and office space in De Soto, Kansas, under a non-cancelable lease agreement for approximately 9,066 square feet that expires in October 2023. The Company also holds various copier and storage facility leases under non-cancelable lease agreements that expire in the next one to four years.

*Centennial Valley Properties I, LLC Lease Agreement*

On March 11, 2022, the Company entered into a Lease Agreement (the Lease) with Centennial Valley Properties I, LLC, a Colorado limited liability company (the Landlord) for office and laboratory space located at 919 West Dillion Road; Louisville, Colorado (the

Notes to Unaudited Condensed Financial Statements

Leased Premises). The purpose of the Lease is to replace the Company's current leased premises at 2970 Wilderness Place, Suite 100 in Boulder, Colorado and the Company intends to move its corporate headquarters to the Leased Premises by mid-2023.

The initial term of the Lease is twelve years (the Initial Term) from the commencement date, which is the earlier of: (i) the Company conducting revenue generating business (as defined in the Lease), or (ii) April 1, 2023 (the Commencement Date), unless earlier terminated in accordance with the Lease. The Company has two renewal options to extend the term of the Lease for an additional seven or ten year terms for each renewal. During the three months ended June 30, 2022, the lease commenced for accounting purposes resulting in \$2.0 million in ROU assets and lease liabilities being recorded.

Under the Lease, the Company will lease approximately 79,980 square feet at the Leased Premises. The Company will pay base rent over the life of the Lease beginning at approximately \$227,000 per month and escalating, based on fixed escalation provisions, to approximately \$326,000 per month, plus certain operating expenses and taxes. The Company's obligation to pay base rent shall be abated, commencing as of the Commencement Date and ending on and including the date that is 12 months after the Commencement Date (the Abated Rent Period). Further, the Company's obligation to pay base rent with respect to a portion of the area of the Lease Premises equal to 19,980 square feet shall be abated (the Partial Abated Rent), commencing as of the day after the end of the Abated Rent Period and ending on and including the date that is 24 months after the Commencement Date (the Partial Abated Rent Period). Pursuant to a work letter entered by the parties in connection with the Lease, the Landlord will contribute an aggregate of \$18.8 million toward the cost of construction and improvements for the Leased Premises and the Company exercised its option for an additional tenant improvement allowance of \$2.0 million (the Extra Allowance Amount). The Company will repay the Extra Allowance Amount actually funded by the Landlord in equal monthly payments with an interest rate of 6% per year over the Initial Term excluding any part of the Abated Rent Period or Partial Abated Rent Period, which shall start to accrue on the date that the Landlord first disburses the Extra Allowance Amount. The Company made an accounting policy election to reduce the right-of-use asset and lease liability because the Lease specifies a maximum level of reimbursement for tenant improvements which are probable of being incurred and within the Company's control. Due to the tenant improvement allowances at the accounting lease commencement date and rent abatement periods described above, the Company expects the lease liability to accrete to approximately \$25.7 million by March 2024. As of September 30, 2022, the Company has incurred \$1.0 million in capital expenditures for leasehold improvements related to the Leased Premises which are tenant improvements and subject to reimbursement from the Landlord during the three months ended December 31, 2022. As of September 30, 2022, the Company had remaining capacity under the tenant improvement allowances of approximately \$20.8 million, prior to reimbursements expected to be received during the three months ended December 31, 2022.

The Lease includes various covenants, indemnities, defaults, termination rights, and other provisions customary for lease transactions of this nature. During the three months ended September 30, 2022, the \$5.0 million cash collateralized letter of credit under the operating lease agreement was released and the funds were subsequently transferred to the Landlord as a refundable deposit (subject to contingent reduction over the term of the lease) to secure the performance of the Company's obligations. The \$5.0 million refundable deposit is now reported within 'Other long-term assets' in the balance sheet as of September 30, 2022.

Operating lease expense was \$0.9 million and \$1.7 million for the three and nine months ended September 30, 2022, respectively, compared to \$0.3 million and \$0.9 million for the three and nine months ended September 30, 2021, respectively. As of September 30, 2022, the weighted-average remaining lease term and discount rate associated with our operating leases were 7.5 years and 11.40%, respectively.

Future minimum lease payments associated with our operating leases were as follows (in thousands):

	As of September 30, 2022
Remainder of 2022	\$ 333
2023	2,277
2024	2,619
2025	3,710
2026	3,979
2027 and thereafter	36,327
Total future minimum lease payments	49,245
Less amount representing interest	(24,159)
Less amount representing tenant improvement allowances <sup>(1)</sup>	(20,795)
Total lease liabilities	\$ 4,291

<sup>(1)</sup> The contractually agreed upon \$20.8 million of tenant improvement allowances are expected to be received during the remainder of 2022 and fiscal year 2023.

Notes to Unaudited Condensed Financial Statements

Future minimum lease payments, which do not include amounts for common area maintenance, insurance, or taxes, for operating lease obligations in accordance with ASC 840 - *Leases* were as follows (in thousands):

	As of December 31, 2021
2022	\$ 775
2023	149
2024	9
2025	3
2026	1
2027 and thereafter	—
Total	\$ 937

**Note 8 – Equity**

*Equity Financing Programs*

The Company maintains two facilities that enable equity financing on an ongoing basis at the Company's sole discretion, our at-the-market offering and our common stock purchase agreement with Lincoln Park Capital Fund, LLC (the LPC facility). In November 2021, the Company entered into a sales agreement with a financial institution, pursuant to which the Company may issue and sell, from time to time, shares of its common stock having an aggregate offering price of up to \$50.0 million (the Shares), subject to terms and conditions. The Shares will be offered and sold by the Company pursuant to its previously filed and currently effective registration statement on Form S-3. The Shares may only be offered and sold by means of a prospectus, including a prospectus supplement, forming part of the effective registration statement. Sales of the common stock, if any, will be made at market prices by methods deemed to be an "at-the-market offering" as defined in Rule 415 promulgated under the Securities Act of 1933, as amended, including sales made directly on The Nasdaq Global Market, or any other existing trading market for our common stock.

On March 7, 2022 (the Effective Date), the Company entered into a purchase agreement with Lincoln Park Capital Fund, LLC (Lincoln Park), pursuant to which Lincoln Park has committed to purchase up to \$50.0 million of the Company's common stock (the Purchase Agreement). Under the terms and subject to the conditions of the Purchase Agreement, the Company has the right, but not the obligation, to sell to Lincoln Park, and Lincoln Park is obligated to purchase up to \$50.0 million of the Company's common stock. Such sales of common stock by the Company, if any, will be subject to certain limitations, and may occur from time to time, at the Company's sole discretion, over the 36-month period commencing on the Effective Date. The number of shares the Company may sell to Lincoln Park on any single business day in a regular purchase is 50,000 shares, but that amount may be increased up to 100,000 shares, depending upon the market price of the Company's common stock at the time of sale and subject to a maximum limit of \$1.5 million per regular purchase. The purchase price per share for each such regular purchase will be based on prevailing market prices of the Company's common stock immediately preceding the time of sale as computed under the Purchase Agreement. In addition to regular purchases, the Company may also direct Lincoln Park to purchase other amounts as accelerated purchases or as additional accelerated purchases.

Under applicable rules of the Nasdaq Capital Market, in no event may the Company issue or sell to Lincoln Park under the Purchase Agreement more than 19.99% of the shares of the Company's common stock outstanding immediately prior to the execution of the Purchase Agreement (the Exchange Cap), unless (i) the Company obtains stockholder approval to issue shares of common stock in excess of the Exchange Cap or (ii) the average price of all applicable sales of common stock to Lincoln Park under the Purchase Agreement equals or exceeds \$2.20 per share, such that issuances and sales of the common stock to Lincoln Park under the Purchase Agreement would be exempt from the Exchange Cap limitation under applicable Nasdaq rules.

Lincoln Park has no right to require the Company to sell any shares of common stock to Lincoln Park, but Lincoln Park is obligated to make purchases as the Company directs, subject to certain conditions. In all instances, the Company may not sell shares of its common stock to Lincoln Park under the Purchase Agreement if doing so would result in Lincoln Park beneficially owning more than 9.99% of its common stock.

Actual sales of shares of common stock to Lincoln Park under the Purchase Agreement will depend on a variety of factors to be determined by the Company from time to time, including, among others, market conditions, the trading price of the common stock and determinations by the Company as to the appropriate sources of funding for the Company and its operations. The net proceeds, if any, under the Purchase Agreement will depend on the frequency and prices at which the Company sells shares of its common stock to Lincoln Park. The Company intends to use any net proceeds from the sale of its common stock to Lincoln Park to advance its growth strategy and for general corporate purposes. On the Effective Date, the Company issued 184,275 shares of common stock to Lincoln Park as a commitment fee (the Initial Commitment Shares) for which the Company did not receive consideration and, upon the available amount being reduced to an amount equal to or less than \$20.0 million, the Company will be required to issue 61,425 shares (the

**Notes to Unaudited Condensed Financial Statements**

Additional Commitment Shares and together with the Initial Commitment Shares, collectively, the Commitment Shares). The Initial Commitment Shares issued were valued at \$600,000 and are included on the balance sheet in 'Other long-term assets'. In addition to the Initial Commitment Shares, the Company recorded \$129,000 of due diligence expenses and legal fees as deferred offering costs. The deferred offering costs will be charged against 'Additional paid-in capital' upon future proceeds from the sale of common stock under the Purchase Agreement. During the three and nine months ended September 30, 2022, \$33,000 and \$51,000 of deferred offering costs were charged against 'Additional paid-in capital', respectively. As of September 30, 2022, \$678,000 of deferred offering costs remain.

The Purchase Agreement may be terminated by the Company at any time, at its sole discretion, without any cost or penalty, by giving one business day notice to Lincoln Park to terminate the Purchase Agreement. Lincoln Park has covenanted not to cause or engage in any manner whatsoever, any direct or indirect short selling or hedging of the common stock. Although the Company has agreed to reimburse Lincoln Park for a limited portion of the fees it incurred in connection with the Purchase Agreement, the Company did not pay any additional amounts to reimburse or otherwise compensate Lincoln Park in connection with the transaction, other than the issuance of the Commitment Shares.

During the three and nine months ended September 30, 2022, the Company raised approximately \$1.8 million and \$6.3 million, respectively (\$1.7 million and \$5.8 million, respectively, after deducting underwriting discounts and commissions and offering expenses payable), in gross proceeds from the sale of 923,720 and 3,051,611 common shares at a weighted average price per share of \$1.98 and \$2.07, respectively, under these programs. As of September 30, 2022, the Company had remaining available capacity for share issuances of approximately \$29.5 million under the at-the-market facility and up to \$47.9 million under the LPC facility, each subject to the restrictions and limitations of the underlying facilities, as applicable.

*Subscription Agreements*

On April 7, 2022, the Company entered into subscription agreements (the Subscription Agreements) with a consortium of investors (the Investors), including three members of our Board of Directors and other existing shareholders of the Company, for the issuance and sale by the Company of 6,508,376 shares of the Company's common stock (the Shares) in an offering (the Private Placement). The three members of our Board of Directors acquired an aggregate of 3,631,284 shares pursuant to the form of a Subscription Agreement that did not include any registration rights. The remaining 2,877,092 shares were acquired by others pursuant to the form of a Subscription Agreement whereby the Company agreed to file, subject to certain exceptions, a shelf registration statement with respect to resales of such shares with the Securities and Exchange Commission no later than 60 days from April 7, 2022, which the Company filed on June 6, 2022.

Pursuant to the Subscription Agreements, the Investors purchased shares at a purchase price (determined in accordance with Nasdaq rules relating to the "Minimum Value" of the Company's common stock) of \$1.79 per share, which is equal to the closing price of the Company's common stock on April 7, 2022, for an aggregate purchase price of approximately \$11.7 million. The Subscription Agreements include customary representations, warranties and covenants by the parties to the agreement.

*Warrants*

During 2018, the Company issued warrants to purchase shares of convertible preferred stock in conjunction with the sale of certain convertible preferred shares and issuance of debt. The Company issued to the lender a warrant to purchase 613,333 shares of Series G convertible preferred stock, at an exercise price of \$0.75 per share, subject to adjustment upon specified dilutive issuances. The warrant was immediately exercisable upon issuance and expires on February 23, 2028. Through the effective date of the Company's initial public offering (IPO) in October 2020, the Series G warrants were remeasured to an estimate of fair value using a Black-Scholes pricing model. As a result of the Company's IPO, the preferred stock warrants were automatically converted to warrants to purchase 103,326 shares of common stock with a weighted average exercise price of \$4.46 and were also transferred to additional paid-in capital. All common stock warrants remain outstanding as of September 30, 2022.

**Note 9 – Revenue and Accounts Receivable Credit Concentration**

We derive our revenue from two primary sources: (i) providing diagnostic testing in the clinical setting (Diagnostic tests); and (ii) providing biopharmaceutical companies with services that include diagnostic research, clinical research, clinical trial testing, development and testing services generally provided outside the clinical setting and governed by individual contracts with third parties as well as development and commercialization of companion diagnostics (Services).

Diagnostic test revenues consist of blood-based lung tests and COVID-19 tests, which are recognized in the amount expected to be received in exchange for diagnostic tests when the diagnostic tests are delivered. The Company conducts diagnostic tests and delivers the completed test results to the prescribing physician or patient, as applicable. The fees for diagnostic tests are billed either to a third party such as Medicare, medical facilities, commercial insurance payers, or to the patient. The Company determines the transaction price related to its diagnostic test contracts by considering the nature of the payer and historical price concessions granted to groups of

Notes to Unaudited Condensed Financial Statements

customers. For diagnostic test revenue, the Company estimates the transaction price, which is the amount of consideration it expects to be entitled to receive in exchange for providing services based on its historical collection experience, using a portfolio approach. The Company recognizes revenues for diagnostic tests upon delivery of the tests to the physicians requesting the tests or patient, as applicable.

Services revenue consists of on-market tests, pipeline tests, custom diagnostic testing, and other scientific services for a purpose as defined by any individual customer, which is often with biopharmaceutical companies. The performance obligations and related revenue for these sales is defined by a written agreement between the Company and the customer. These services are generally completed upon the delivery of testing results, or other contractually defined milestone(s), to the customer. Revenue for these services is recognized upon delivery of the completed test results, or upon completion of the contractual milestone(s).

Revenues consisted of the following (in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Diagnostic tests	\$ 10,443	\$ 5,039	\$ 26,282	\$ 43,072
Services	664	1,492	2,323	4,210
Total revenue	<u>\$ 11,107</u>	<u>\$ 6,531</u>	<u>\$ 28,605</u>	<u>\$ 47,282</u>

**Deferred Revenue**

Deferred revenue consists of cash payments from customers received in advance of delivery. As test results are delivered, the Company recognizes the deferred revenue in 'Revenues' in the statements of operations. Of the \$1.9 million in 'Deferred revenue' recorded in the balance sheet as of December 31, 2021, \$1.4 million was recognized in revenues during the nine months ended September 30, 2022. In addition, \$0.3 million was added to 'Deferred revenue' for up-front cash payments received for which the revenue recognition criteria have not been met and \$0.8 million was reclassified from non-current deferred revenue. The 'Deferred revenue' of \$1.6 million recorded in the balance sheet as of September 30, 2022 is expected to be recognized in revenues over the next twelve months as test results are delivered and services are performed. As of September 30, 2022 and December 31, 2021, the Company had zero and \$0.8 million in non-current deferred revenue, respectively, recorded within 'Other long-term liabilities' in the balance sheets which represent amounts to be recognized in excess of twelve months from the respective balance sheet date.

The Company's customers in excess of 10% of total revenue both pertain to our COVID-19 diagnostic testing services, and their related revenue as a percentage of total revenue were as follows:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
The State of Colorado	11 %	—	14 %	—
The Big Ten Conference	—	—	—	46 %
Merck	—	10 %	—	1 %

In addition to the above table, we collect reimbursement on behalf of customers covered by Medicare, which accounted for 37% and 35% of the Company's total revenue for the three and nine months ended September 30, 2022, respectively, compared to 36% and 14% for the three and nine months ended September 30, 2021, respectively. The Company is subject to credit risk from its accounts receivable related to services provided to its customers.

The Company's third-party payors and other customers in excess of 10% of accounts receivable, and their related accounts receivable as a percentage of total accounts receivable were as follows:

	As of	
	September 30, 2022	December 31, 2021
Medicare	44 %	30 %
Janssen Research and Development, LLC	4 %	14 %
LabCorp DD (formerly Covance)	8 %	11 %

**Note 10 – Share-Based Compensation**

The Company's share-based compensation awards are issued under the 2020 Equity Incentive Plan (2020 Plan), the predecessor 2016 Equity Incentive Plan (2016 Plan) and 2006 Equity Incentive Plan (2006 Plan). Any awards that expire or are forfeited under the 2016

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Plan or 2006 Plan become available for issuance under the 2020 Plan. As of September 30, 2022, 174,890 shares of common stock remained available for future issuance under the 2020 Plan.

*Share-Based Compensation Expense*

Share-based compensation expense reported in the Company's statements of operations was (in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Direct costs and expenses	\$ 20	\$ 18	\$ 48	\$ 37
Research and development	30	141	310	465
Sales, marketing, general and administrative	1,120	1,227	3,526	3,175
Total	<u>\$ 1,170</u>	<u>\$ 1,386</u>	<u>\$ 3,884</u>	<u>\$ 3,677</u>

The remaining unrecognized share-based compensation expense for options and restricted stock units was approximately \$8.0 million as of September 30, 2022, and is expected to be amortized to expense over the next 3.0 years.

*Stock Option Activity*

Stock option activity during the nine months ended September 30, 2022, excluding the Bonus Option Program described below, was (in thousands, except weighted average exercise price and weighted average contractual life):

	Number of Options	Weighted Average Exercise Price	Weighted Average Contractual Life (Years)	Aggregate Intrinsic Value
Outstanding - January 1, 2022	2,878	\$ 8.08	7.7	\$ 6,288
Granted	329	3.15	—	—
Forfeited/canceled	(269)	8.45	—	—
Exercised	(224)	0.66	—	—
Outstanding - September 30, 2022	<u>2,714</u>	<u>\$ 8.06</u>	<u>7.4</u>	<u>\$ 577</u>
Exercisable - September 30, 2022	<u>1,631</u>	<u>\$ 6.47</u>	<u>6.7</u>	<u>\$ 441</u>

*Restricted Stock Unit Activity*

Restricted stock unit activity during the nine months ended September 30, 2022 was (in thousands, except weighted average grant date fair value per share):

	Number of Shares	Weighted Average Grant Date Fair Value Per Share
Outstanding - January 1, 2022	151	\$ 5.30
Granted	1,473	2.75
Forfeited/canceled	(56)	3.69
Released	(233)	5.41
Outstanding - September 30, 2022	<u>1,335</u>	<u>\$ 2.53</u>



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Bonus-to-Options Program

As part of the Bonus-to-Options Program (Bonus Option Program), the Company recorded the following activity during the nine months ended September 30, 2022 (in thousands, excepted weighted average exercise price and weighted average contractual life):

	Number of Options	Weighted Average Exercise Price	Weighted Average Contractual Life (Years)	Aggregate Intrinsic Value
Outstanding - January 1, 2022	373	\$ 17.00	7.5	\$ 76
Granted	244	2.29	—	—
Forfeited/canceled	(51)	15.14	—	—
Exercised	—	—	—	—
Outstanding - September 30, 2022	566	\$ 10.83	7.9	\$ —
Exercisable - September 30, 2022	566	\$ 10.83	7.9	\$ —

The Company accrued an insignificant amount and \$0.7 million for both the three and nine months ended September 30, 2022, and 2021, respectively, related to the estimate of the Bonus Option Program. Options granted, if any, pertaining to the performance of the Bonus Option Program are typically approved and granted in first quarter of the year following completion of the fiscal year.

Employee Stock Purchase Plan

A total of 338,106 shares of our common stock have been reserved for issuance under the Employee Stock Purchase Plan (ESPP). The ESPP provides for successive six-month offering periods beginning on September 1st and March 1st of each year. As of September 30, 2022, 237,961 shares have been issued under the ESPP leaving 100,145 shares remaining for future issuance.

Note 11 – Net Loss per Common Share

Basic earnings per share (EPS) excludes dilution and is computed by dividing net loss attributable to the common stockholders by the weighted-average shares outstanding during the period. Diluted EPS reflects the potential dilution that could occur if securities or other contracts to issue common stock were exercised, resulting in the issuance of shares of common stock that would then share in the earnings or losses of the Company.

In connection with the acquisition of Indi in 2018, the Company recorded contingent consideration (See Note 4 – Fair Value) for amounts contingently payable to Indi's selling shareholders pursuant to the terms of the asset purchase agreement. The contingent consideration arrangement requires additional consideration to be paid by the Company to Indi upon attainment of a three-consecutive month gross margin target of \$2.0 million within the seven-year period after the acquisition date. When the gross margin target was met, the Company was required to issue 2,520,108 shares of common stock. The Company met the gross margin target of \$2.0 million for three consecutive months during the three months ended June 30, 2021. As a result of the achievement of the gross margin target, the Company included the 2,520,108 shares of common stock in the calculation of weighted-average shares outstanding used in computing basic and diluted net loss per share for the three and six months ended June 30, 2021. In August 2021, the Company entered into an amendment of the original agreement in which the Company has agreed to forgo the issuance of its Common Stock. Therefore, these shares are not included in the statements of stockholders' equity or shares issued and outstanding in the balance sheets and are not included in our earnings per share calculation subsequent to August 2021.

Basic and diluted loss per share for the three and nine months ended September 30, 2022 and 2021 were (in thousands, except per share amounts):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Numerator				
Net loss attributable to common stockholders	\$ (13,699)	\$ (11,514)	\$ (45,109)	\$ (29,877)
Denominator				
Weighted-average shares outstanding used in computing net loss per share, basic and diluted	40,448	28,051	36,953	27,467
Net loss per share, basic and diluted	\$ (0.34)	\$ (0.41)	\$ (1.22)	\$ (1.09)

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The following outstanding common stock equivalents were excluded from diluted net loss attributable to common stockholders for the periods presented because inclusion would be anti-dilutive (in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Options to purchase common stock	3,280	2,866	3,280	2,866
Shares committed under ESPP	33	5	33	5
Warrants	103	103	103	103
Restricted stock units	1,335	119	1,335	119
Total	4,751	3,093	4,751	3,093

**Note 12 - Income Taxes**

Since inception, the Company has incurred net taxable losses, and accordingly, no provision for income taxes has been recorded. There was no cash paid for income taxes during the three and nine months ended September 30, 2022 and 2021.

**Note 13 – Commitments and Contingencies**

*Co-Development Agreement*

In April 2014 and amended in October 2016, the Company entered into a worldwide agreement with AVEO to develop and commercialize AVEO's hepatocyte growth factor inhibitory antibody ficlatuzumab with the Company's proprietary companion diagnostic test, BDX004, a version of the Company's serum protein test that is commercially available to help physicians guide treatment decisions for patients with advanced non-small cell lung cancer (NSCLC). Under the terms of the agreement, AVEO will conduct a proof of concept (POC) clinical study of ficlatuzumab for NSCLC in which BDX004 will be used to select clinical trial subjects (the NSCLC POC Trial). Under the agreement, the Company and AVEO would share equally in the costs of the NSCLC POC Trial, and each would be responsible for 50% of development and regulatory costs associated with all future clinical trials agreed upon by the Company and AVEO. The Company and AVEO continue to conduct POC clinical trials of ficlatuzumab in combination with BDX004.

In September 2020, the Company exercised its opt-out right with AVEO for the payment of 50% of development and regulatory costs for ficlatuzumab effective December 2, 2020 (the Effective Date). In September 2021, AVEO announced that the FDA has granted Fast Track Designation (FTD) to ficlatuzumab for the treatment of patients with relapsed or recurrent head and neck squamous cell carcinoma. In November 2021 AVEO also announced plans to initiate a potential registrational Phase 3 clinical trial for ficlatuzumab in the first half of 2023. The Company had \$0.1 million in remaining obligations related to the AVEO agreement as of September 30, 2022. Following the Effective Date, the Company is entitled to a 10% royalty of net sales of ficlatuzumab and 25% of license income generated from the licensing of ficlatuzumab from AVEO. There were no expenses related to this agreement for the three and nine months ended September 30, 2022 and 2021.

*License Agreements*

In August 2019, we entered into a non-exclusive license agreement with Bio-Rad Laboratories, Inc. (Bio-Rad) (the Bio-Rad License). Under the terms of the Bio-Rad License, the Company received a non-exclusive license, without the right to grant sublicenses, to utilize certain of Bio-Rad's intellectual property, machinery, materials, reagents, supplies and know-how necessary for the performance of Droplet Digital PCR™ (ddPCR) in cancer detection testing for third parties in the United States. The Company also agreed to purchase all of the necessary supplies and reagents for such testing exclusively from Bio-Rad, pursuant to a separately executed supply agreement (the Supply Agreement) with Bio-Rad. As further consideration for the non-exclusive license, the Company agreed to pay a royalty of 2.5% on the net revenue received for the performance of such ddPCR testing collected from third parties. On May 24, 2021, the Company entered into the First Amendment to the Non-Exclusive License Agreement with Bio-Rad which amended the Bio-Rad License such that, effective May 1, 2021, the Company will no longer pay a royalty of 2.5% on the net revenue received for the performance of such ddPCR testing collected from third parties. The Bio-Rad License expires in August 2024. Either party may terminate for the other's uncured material breach or bankruptcy events. Bio-Rad may terminate the Bio-Rad License if the Company does not purchase licensed products under the Supply Agreement for a consecutive twelve-month period or for any material breach by us of the Supply Agreement. There were no expenses related to this agreement for the three and nine months ended September 30, 2022 and 2021.

Notes to Unaudited Condensed Financial Statements

On May 13, 2021 (Effective Date), we reached agreement with CellCarta Biosciences Inc. (formerly “Caprion Biosciences, Inc.”) (the CellCarta License) on a new royalty bearing license agreement for the Nodify XL2 test. The parties agreed to terminate all prior agreements and replace with this new arrangement, which has a 1% fee on net sales made from the first commercial sale of the Nodify XL2 test to the Effective Date as an upfront make-good payment covering past royalties due and a royalty rate of 0.675% on future Nodify XL2 test net sales worldwide for 15 years from the first commercial sale, ending in 2034. Royalty expense under the CellCarta License for the three and nine months ended September 30, 2022 was insignificant and \$0.1 million, respectively. Royalty expense for the three and nine months ended September 30, 2021 was insignificant.

As part of the acquisition of the assets of Oncimmune USA, the Company entered into several agreements to govern the relationship between the parties. The Company agreed to a license agreement and royalty payment related to an acquired diagnostic test of 8% of recognized revenue for non-screening tests up to an annual minimum volume and 5% thereafter, with an escalating minimum through the first four years of sales. Royalty expenses were \$0.2 million and \$0.6 million for the three and nine months ended September 30, 2022, respectively, compared to \$0.2 million and \$0.5 million for the three and nine months ended September 30, 2021, respectively.

*Litigation, Claims and Assessments*

From time to time, we may become involved in legal proceedings or investigations which could have an adverse impact on our reputation, business and financial condition and divert the attention of our management from the operation of our business. We are not presently a party to any legal proceedings that, if determined adversely to us, would individually or taken together have a material adverse effect on our business, results of operations, financial condition, or cash flows.

## Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations.

Biodesix, Inc. is referred to throughout this Quarterly Report on Form 10-Q for the period ended September 30, 2022 (Form 10-Q) as “we”, “us”, “our” or the “Company”.

The following Management’s Discussion and Analysis of Financial Condition and Results of Operations (MD&A) should be read in conjunction with our Annual Report on Form 10-K for the year ended December 31, 2021 (Form 10-K) and the Condensed Financial Statements as of September 30, 2022 and for the three and nine months ended September 30, 2022 and 2021, included in Part I, Item 1 of this Form 10-Q, which provide additional information regarding our financial position, results of operations and cash flows. To the extent that the following MD&A contains statements which are not of a historical nature, such statements are forward-looking statements, which involve risks and uncertainties, including but not limited to those set forth under the caption “Special Note Regarding Forward-Looking Statements” and Item 1A “Risk Factors” of Part II in this Quarterly Report on Form 10-Q and those discussed in our other filings with the Securities and Exchange Commission (SEC), including the risks described in Item 1A “Risk Factors” of Part I of our Annual Report on Form 10-K for the year ended December 31, 2021, which was filed on March 14, 2022.

The following MD&A discussion is provided to supplement the Condensed Financial Statements as of September 30, 2022 and 2021 and for the three and six months then ended included in Part I, Item 1 of this Quarterly Report on Form 10-Q. We intend for this discussion to provide you with information that will assist you in understanding our financial statements, the changes in key items in those financial statements from period to period, and the primary factors that accounted for those changes.

Data for the three and nine months ended September 30, 2022 and 2021 has been derived from our unaudited condensed financial statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q.

### Overview

We are a leading data-driven diagnostic solutions company leveraging state of the art technologies with our proprietary AI platform to discover, develop, and commercialize solutions for clinical unmet needs, with a primary focus in lung disease. By combining a technology multi-omic approach with a holistic view of the patient’s disease state, we believe our solutions provide physicians with greater insights to help personalize their patient’s care and meaningfully improve disease detection, evaluation, and treatment. Our unique approach to precision medicine provides timely and actionable clinical information, which we believe helps improve overall patient outcomes and lowers the overall healthcare cost by reducing the use of ineffective and unnecessary treatments and procedures. In addition to our diagnostic tests, we provide biopharmaceutical companies with services that include diagnostic research, clinical trial testing, and the discovery, development, and commercialization of companion diagnostics.

Our core belief is that no single technology will answer all clinical questions that we encounter. Therefore, we employ multiple technologies, including genomics, transcriptomics, proteomics, and radiomics, and leverage our proprietary AI-based Diagnostic Cortex® platform to discover innovative diagnostic tests for clinical use. The Diagnostic Cortex is an extensively validated deep learning platform optimized for the discovery of diagnostic tests, which we believe overcomes standard machine learning challenges faced in life sciences research. Our data-driven and multi-omic approach is designed to enable us to discover diagnostic tests that answer critical clinical questions faced by physicians, researchers, and biopharmaceutical companies.

We continuously incorporate new market insights and patient data to enhance our platform through a data-driven learning loop. We regularly engage with our customers, key opinion leaders, and scientific experts to stay ahead of the rapidly evolving diagnostic treatment landscape to identify additional clinical unmet needs where a diagnostic test could help improve patient care. Additionally, we incorporate clinical and molecular profiling data from our commercial clinical testing, research studies, clinical trials, and biopharmaceutical customers or academic partnerships, to continue to advance our platform. We have a variety of samples with associated data in our biobank, including tumor profiles and immune profiles, which are used for both internal and external research and development initiatives.

We have commercialized eight diagnostic tests which are currently available for use by physicians. Our Nodify XL2 and Nodify CDT tests, marketed as part of the Nodify Lung Nodule Risk Assessment testing strategy, assess the risk of lung cancer to help identify the most appropriate treatment pathway. The Nodify Lung Risk Assessment testing strategy has resulted in a change in the calculated risk of malignancy in 80-85% of the cases. We believe we are the only company to offer two commercial blood-based tests to help physicians reclassify risk of malignancy in patients with suspicious lung nodules. Our GeneStrat ddPCR, GeneStrat NGS, and VeriStrat tests, marketed as the IQLung testing strategy, are used following diagnosis of lung cancer to measure the presence of mutations in the tumor and the state of the patient’s immune system to establish the patient’s prognosis and help guide treatment decisions. The GeneStrat targeted tumor profiling test and the VeriStrat immune profiling test now have a 36-hour average turnaround time, down from the previous 72-hour average turnaround time, providing physicians with timely results to facilitate treatment decisions. The GeneStrat NGS test is our 72-hour average turnaround time blood-based NGS test, which was launched in November 2021 to a select group of physicians, with national launch in January 2022. The 52-gene panel includes guideline recommended mutations to help physicians treating advanced-stage lung cancer patients identify all four major mutation classes and genes, such as EGFR, ALK, KRAS, MET, NTRK, ERBB2, and others, and delivers them in an expedited timeframe so patient treatment can begin sooner.

In response to the COVID-19 pandemic, through our partnership with Bio-Rad, we commercialized the Biodesix WorkSafe™ testing program. Our scientific diagnostic expertise, technologies, and existing commercial infrastructure enabled us to rapidly commercialize two FDA EUA authorized tests, a part of our customizable program. Both diagnostic tests are owned and were developed by Bio-Rad and Bio-Rad has granted us permission to utilize both tests for commercial diagnostic services. The Bio-Rad SARS-CoV-2 ddPCR test was FDA EUA authorized on May 1, 2020, authorizing performance of the test in laboratories certified under CLIA to perform high complexity tests. The second test is the Platelia SARS-CoV-2 Total Ab test, which is an antibody test intended for detecting a B-cell immune response to SARS-CoV-2, indicating recent or prior infection. The Platelia SARS-CoV-2 Total Ab test was FDA EUA authorized on April 29, 2020. Prior to using the Bio-Rad SARS-CoV-2 tests as part of our testing program, we performed feasibility, verification, and validation studies, including developing software for process automation, sample accessioning, data management and reporting, all required to demonstrate the test operated as claimed by the manufacturer and as required by our certifying regulatory agencies for high complexity laboratory testing. We secured independent reference specimens run with EUA tests to validate these tests as fit for diagnostic use in our laboratories. Beginning in the quarter ended June 30, 2021, we began partnering with GenScript Biotech Corporation to commercialize the blood-based cPass SARS-CoV-2 Neutralizing Antibody testing as a service. The test is the first surrogate neutralizing antibody test with FDA EUA and uses ELISA technology to qualitatively detect circulating neutralizing antibodies to the RBD in the spike protein of SARS-CoV-2 that are produced in response to a previous SARS-CoV-2 infection.

Medical products that are granted an EUA are only permitted to commercialize their products under the terms and conditions provided in the authorization. The FDA may revoke an EUA where it is determined that the underlying health emergency no longer exists or warrants such authorization, if the conditions for the issuance of the EUA are no longer met, or if other circumstances make revocation appropriate to protect the public health or safety, and we cannot predict how long the EUAs for the SARS-CoV-2 tests will remain in place.

These tests under the Biodesix WorkSafe testing program are utilized by healthcare providers, including hospitals and nursing homes, and are also offered to businesses and educational systems. We announced multiple partnerships for COVID-19 testing, and maintained an agreement with the State of Colorado to be one of the diagnostic companies to support widespread COVID-19 testing for the State which expired on August 31, 2022. Additionally, we oversaw and managed onsite testing and validating testing for the Big Ten Conference athletic competitions through the term of our contract which expired on June 30, 2021.

In addition to the eight diagnostic tests currently on the market, we perform over 30 assays for research use as part of our laboratory services that have been used by over 60 biopharmaceutical companies and academic partners. All of our diagnostic testing is performed at one of our two accredited, high-complexity clinical laboratories in Boulder, Colorado and De Soto, Kansas.

Since our inception, we have performed over 550,000 clinical diagnostic tests, and continue to generate a large and growing body of clinical evidence consisting of over 300 clinical and scientific peer-reviewed publications, presentations, and abstracts. Through ongoing study of each of our tests, we continue to grow our depth of understanding of disease biology and the broad utility of each of our tests. We believe we are poised for rapid growth by leveraging our scientific development and laboratory operations expertise along with our commercial infrastructure which includes sales, marketing, reimbursement, and regulatory affairs.

In the United States, we market our tests to clinical customers through our targeted sales organization, which includes sales representatives that are engaged in sales efforts and promotional activities primarily to pulmonologists, oncologists, cancer centers and nodule clinics. We market our tests and services to biopharmaceutical companies globally through our targeted business development team, which promotes the broad utility of our tests and testing capabilities throughout drug development and commercialization which is of value to pharmaceutical companies and their drug-development process.

The Company continues to address our liquidity needs through improvements to our capital structure. During the three months ended June 30, 2022, the Company entered into: (i) a private placement that raised approximately \$11.7 million in net equity proceeds, (ii) an amendment and partial repayment of our 2021 Term Loan, (iii) modifications to extend payment terms under the Integrated Diagnostics asset purchase agreement (the Indi APA), (iv) common stock sales raising additional funds through our at-the-market facility, and (v) the closing of a \$25.0 million debt facility with funding for up to \$25.0 million occurring in two tranches. On May 9, 2022, we closed on the first tranche for gross proceeds of \$15.0 million (approximately \$12.8 million, net, after deducting debt issuance costs and OID) (Promissory Note One). Each of these strategic initiatives is described in further detail within the Notes to our condensed financial statements in Part 1 of this Quarterly Report on Form 10-Q as well as our Liquidity and Capital Resources section below.

We have funded our operations to date principally from net proceeds from the issuances of our common stock, the sale of convertible preferred stock, revenue from diagnostic testing and services, and the incurrence of indebtedness. We had cash and cash equivalents of \$15.2 million and \$32.7 million as of September 30, 2022 and December 31, 2021, respectively.

## Factors Affecting Our Performance

We believe there are several important factors that impact our operating performance and results of operations, including:

- **Testing volume and customer mix.** Our revenues and costs are affected by the volume of testing and mix of customers from period to period. We evaluate both the volume of our commercial tests, or the number of tests that we perform for patients on

behalf of clinicians, as well as tests for biopharmaceutical companies. Our performance depends on our ability to retain and broaden adoption with existing customers, as well as attract new customers. We believe that the test volume we receive from clinicians and biopharmaceutical companies are indicators of growth in each of these customer verticals. Customer mix for our tests has the potential to significantly impact our results of operations, as the average selling price for biopharmaceutical sample testing is currently significantly greater than our average selling price for clinical tests since we are not a contracted provider for, or our tests are not covered by all clinical patients' insurance. We evaluate our average selling price for tests that are covered by Medicare, Medicare Advantage and commercial payers to understand the trends in reimbursement and apply those trends to our revenue recognition policies.

- **Reimbursement for clinical diagnostic testing.** Our revenue depends on achieving broad coverage and reimbursement for our tests from third-party payers, including both commercial and government payers. On June 7, 2022, we announced that WPS Government Health Administrators, the Medicare Administrative Contractor with jurisdiction for Biodesix's De Soto, Kansas laboratory, has provided coverage for the Nodify CDT lung nodule test. All five Biodesix blood-based lung diagnostic tests within the Nodify Lung Nodule Risk Assessment testing strategy and IQLung strategy for lung cancer patients are now covered by Medicare. Payment from third-party payers differs depending on whether we have entered into a contract with the payers as a "participating provider" or do not have a contract and are considered a "non-participating provider." Payers will often reimburse non-participating providers, if at all, at a lower rate than participating providers.

Historically, we have experienced situations where commercial payers proactively reduced the amounts they were willing to reimburse for our tests, and in other situations, commercial payers have determined that the amounts they previously paid were too high and have sought to recover those perceived excess payments by deducting such amounts from payments otherwise being made. When we contract to serve as a participating provider, reimbursements are made pursuant to a negotiated fee schedule and are limited to only covered indications. Becoming a participating provider generally results in higher reimbursement for covered indications and lack of reimbursement for non-covered indications. As a result, the impact of becoming a participating provider with a specific payer will vary. If we are not able to obtain or maintain coverage and adequate reimbursement from third-party payers, we may not be able to effectively increase our testing volume and revenue as expected. Additionally, retrospective reimbursement adjustments can negatively impact our revenue and cause our financial results to fluctuate.

On October, 17, 2022, the Company announced that the U.S. Department of Veterans Affairs (the VA), the largest integrated health care system in the United States, has awarded a Federal Supply Schedule Contract for the Company's entire portfolio of lung cancer diagnostic tests. The VA provides care at 1,298 health care facilities, including 171 VA Medical Centers and 1,113 outpatient sites of care of varying complexity to over 9 million veterans enrolled in the VA health care program. All of our existing lung diagnostic tests will be payable when performed and partnering with the VA represents a large opportunity for Biodesix to help improve care for our Veterans by integrating our five diagnostic products and testing strategies into our country's largest health system.

- **Investment in clinical studies and product innovation to support growth.** A significant aspect of our business is our investment in research and development, including the development of new products and our investments in clinical utility studies. We have invested heavily in clinical studies for our on market and pipeline products. Our studies focus primarily on the clinical utility of our tests including the ongoing INSIGHT study which seeks to enroll up to 5,000 patients to continue our clinical understanding of the predictive and prognostic value of the VeriStrat test. The ALTITUDE study, launched during the fourth quarter 2020, seeks to further demonstrate the efficacy of the Nodify XL2 and Nodify CDT tests. A secondary focus of our studies is understanding the economic impact of our tests in assisting with decisions related to patient management and the potential impact of our tests in reducing overall healthcare costs.

Our clinical research has resulted in approximately 90 peer-reviewed publications for our tests. In addition to clinical studies, we are collaborating with investigators from multiple academic cancer centers. For example, on June 3, 2022, we announced the intent to develop a new novel molecular minimal residual disease (MRD) test as a part of a master sponsored research agreement (MSRA) with Memorial Sloan Kettering Cancer Center (MSK). In addition, the MSRA between MSK and the Company also includes the potential future development of other diagnostic tests aimed at improving the treatment of cancer. We believe these studies are critical to gaining physician adoption and driving favorable coverage decisions by payers and expect our investments in research and development to increase. Further we also expect to increase our research and development expenses to fund further innovation and develop new clinically relevant tests.

- **Ability to attract new biopharmaceutical customers and maintain and expand relationships with existing customers.** Our business development team promotes the broad utility of our products for biopharmaceutical companies in the United States and internationally. Our revenue, business opportunities and growth depend in part on our ability to attract new biopharmaceutical customers and to maintain and expand relationships with existing biopharmaceutical customers. We expect to increase our sales and marketing expenses in furtherance of this as we continue to develop these relationships and expect to support a growing number of investigations and clinical trials. If our relationships expand, we believe we may have opportunities to offer our platform for companion diagnostic development, novel target discovery and validation efforts, and

to grow into other commercial opportunities. For example, we believe our multi-omic data including genomic and proteomic data, in combination with clinical outcomes or claims data, has revenue-generating potential, including for novel target identification and companion diagnostic discovery and development.

On June 30, 2022, the Company announced an arrangement with Royal Philips, a global leader in health care technology, in which our Nodify Lung blood-based lung nodule risk assessment testing will be incorporated into Philips Lung Cancer Orchestrator lung cancer patient management system. The incorporation of proteomics data – along with the radiologic and patient history data currently used to determine treatment decisions – can help create diagnostic efficiency for cancer care centers in the management of a growing number of lung nodule cases, via the contextual launch of Bodesix Nodify Lung application within Lung Cancer Orchestrator. Philips Lung Cancer Orchestrator solution is designed to enable health systems to operationalize lung cancer screening and lung nodule management programs at scale.

- **Motivating and expanding our field sales force and customer support team.** Our field sales force is the primary point of contact in the clinical setting. These representatives of the company must cover expansive geographic regions which limits their time for interaction and education of our products in the clinical setting. We plan to continue investing in the field sales force, increasing the total number of sales representatives to drive continued growth, and thereby reduce the geographic footprint each representative must cover. This investment will allow the larger sales force to maximize their education and selling efforts and achieve greater returns. Additionally, we plan to invest in the Boulder-based marketing and customer support teams to continue to provide the field team with the resources to be successful in the field.

While each of these areas present significant opportunities for us, they also pose significant risks and challenges that we must address. See Part II, Item 1A “Risk Factors” within this Form 10-Q and Item 1A “Risk Factors” of Part I of our Annual Report on Form 10-K for the year ended December 31, 2021 for more information.

### COVID-19 Pandemic

The COVID-19 pandemic has disrupted, and may continue to disrupt, our lung diagnostic testing operations. To protect the health and well-being of our workforce, partners, vendors and customers, we provide voluntary COVID-19 testing for employees working on-site, implemented social distance and building entry policies at work, restricted travel and facility visits, and followed the States of Colorado and Kansas’ public health orders and the guidance from the Centers for Disease Control and Prevention (CDC). Employees who can perform their duties remotely have the option to work from home. Our sales, marketing and business development efforts may be constrained by our operational response to future COVID-19 variant outbreaks. We will continue to adjust our operational norms, as needed, to help slow the spread of COVID-19, including complying with government directives and guidelines as they are modified and supplemented.

The COVID-19 pandemic and the surge associated with multiple variants have negatively affected our lung diagnostic testing-related revenue and our clinical studies. Beginning in the third quarter 2020, the Company’s COVID-19 testing services began to experience rapid growth with a peak in the first quarter 2021; however, subsequent to this peak, we experienced a rapid decline in COVID-19 testing revenue primarily as a result of a few significant contracts that expired as well as the ongoing increase in COVID-19 vaccination rates across the U.S. and the adoption and availability of at-home testing. We do not anticipate the need for COVID-19 testing to be commensurate with the peak demand experienced during the first quarter 2021 and instead expect the demand to moderate as new variants and infections occur. There is no assurance that our COVID-19 testing program will continue to be accepted by the market or that other diagnostic tests will become more accepted, produce quicker results or are more accurate. Further, the longevity and extent of the COVID-19 pandemic is uncertain and the need for COVID-19 testing could vary which could have a significant effect on our results of operations and profitability. As a result, increases in revenue due to any increase in demand for these diagnostic tests may not be indicative of our future revenue.

See Item 1A “Risk Factors” of Part II in this Quarterly Report on Form 10-Q and those discussed in our other filings with the SEC, including the risks described in Item 1A “Risk Factors” of Part I of our Annual Report on Form 10-K for the year ended December 31, 2021, which was filed on March 14, 2022, for a description of how the COVID-19 pandemic may adversely affect our business, financial condition and results of operations.

### Third Quarter 2022 Financial and Operational Highlights

The following were significant developments affecting our business, capital structure and liquidity during the three months ended September 30, 2022 as compared to the same period in 2021 unless otherwise noted:

- Total revenue of \$11.1 million, an increase of 70%, driven primarily by strong year-over-year growth in core lung diagnostics:
  - o *Core lung diagnostic revenue of \$9.2 million, reflected a year-over-year increase of 102% driven primarily by the increased adoption of Nodify Lung nodule management tests (Nodify CDT & Nodify XL2 tests) and the recent GeneStrat NGS commercial launch;*

- o COVID-19 testing revenue of \$1.3 million reflected a year-over-year increase of 154% that was driven primarily by testing volume under a now expired contract with the State of Colorado;
  - o Services revenue of \$0.7 million decreased 55% year-over-year. COVID-related delays in clinical study enrollment and sample shipping logistics have begun to recover but are still impacting timelines for existing and new agreements;
- Third quarter 2022 gross profit of \$7.5 million, or 67% gross margin as compared to 58% gross margin in the comparable prior year period primarily driven by the growth of sales in our higher-margin core lung diagnostics;
- Operating expenses (excluding direct costs and expenses) of \$18.1 million, an increase of 7% driven primarily by growth in sales and marketing which support the record growth in core lung diagnostics sales as well as the recent GeneStrat NGS commercial launch;
  - o Includes non-cash stock compensation expense of \$1.2 million as compared to \$1.4 million;
- Net loss of \$13.7 million, an increase of 19%, driven primarily by a gain on extinguishment of \$3.1 million in the third quarter 2021 related to the debt forgiveness under the Small Business Administration Loan forgiveness program and higher interest costs of \$1.5 million partially offset by a reduction in operating loss of \$2.5 million or 19%;
- Cash and cash equivalents of \$15.2 million as of September 30, 2022;
  - o Raised net proceeds of \$1.8 million during the quarter through equity offerings;
  - o Includes payments during the quarter for principal repayment of \$2.0 million on the 2021 Term Loan and \$2.1 million for scheduled milestone payment to Indi.

## Components of Operating Results

### Revenues

We derive our revenue from two primary sources: (i) providing diagnostic testing in the clinical setting (Diagnostic Tests); and (ii) providing biopharmaceutical companies with services that include diagnostic research, clinical research, clinical trial testing, development and testing services generally provided outside the clinical setting and governed by individual contracts with third parties as well as development and commercialization of companion diagnostics (Services).

#### Diagnostic Tests

Diagnostic test revenue is generated from delivery of results from our diagnostic tests. In the United States, we performed tests as both an in-network and out-of-network service provider depending on the test performed and the contracted status of the insurer. We provide diagnostic tests in two primary categories: (i) core lung diagnostics testing and (ii) COVID-19 testing.

We consider diagnostic testing to be completed upon the delivery of test results to our customer, either the prescribing physician or third-party to which we contracted for services to be performed, which is considered the performance obligation. The fees for such services are billed either to a third party such as Medicare, medical facilities, commercial insurance payers, or to the patient. We determine the transaction price related to our contracts by considering the nature of the payer, the historical amount of time until payment by a payer and historical price concessions granted to groups of customers.

#### Services

Services revenue is generated from the delivery of our on-market tests, pipeline tests, custom diagnostic testing, and other scientific services for a purpose as defined by any individual customer. At times we collaborate with large biopharmaceutical companies in an attempt to discover biomarkers that would be helpful in their drug development or marketing. The performance obligations and related revenue for these sales is defined by a written agreement between us and our customer. These services are generally completed upon the delivery of testing results, or other contractually defined milestone(s), to the customer, which is considered the performance obligation. Customers for these services are typically large pharmaceutical companies where collectability is reasonably assured and therefore revenue is accrued upon completion of the performance obligations. Revenue derived from services is often unpredictable and can cause dramatic swings in our overall net revenue line from quarter to quarter.

### Operating Expenses

#### Direct costs and expenses

Cost of diagnostic testing generally consists of cost of materials, direct labor, including bonus, employee benefits, equipment and infrastructure expenses associated with acquiring and processing test samples, including sample accessioning, test performance, quality control analyses, charges to collect and transport samples; curation of test results for physicians; and in some cases, license or royalty fees due to third parties. Costs associated with performing our tests are recorded as the tests are processed regardless of whether revenue was recognized with respect to the tests. Infrastructure expenses include depreciation of laboratory equipment, rent costs, amortization



of leasehold improvements and information technology costs. Royalties for licensed technology are calculated as a percentage of revenues generated using the associated technology and recorded as expense at the time the related revenue is recognized. One-time royalty payments related to signing of license agreements or other milestones, such as issuance of new patents, are amortized to expense over the expected useful life of the patents. While we do not believe the technologies underlying these licenses are necessary to permit us to provide our tests, we do believe these technologies are potentially valuable and of possible strategic importance to us or our competitors. Under these license agreements, we are obligated to pay aggregate royalties ranging from 1% to 8% of sales in which the patents or know-how are used in the product or service sold, sometimes subject to minimum annual royalties or fees in certain agreements.

We expect the aggregate cost of diagnostic testing to increase in line with the increase in the number of tests we perform, but the cost per test to decrease modestly over time due to the efficiencies we may gain as test volume increases, and from automation and other cost reductions. Cost of services includes costs incurred for the performance of development services requested by our customers. Costs of development services will vary depending on the nature, timing and scope of customer projects.

#### *Research and development*

Research and development expenses consist of costs incurred to develop technology and include salaries and benefits, reagents and supplies used in research and development laboratory work, infrastructure expenses, including allocated facility occupancy and information technology costs, contract services, clinical studies, other outside costs and costs to develop our technology capabilities. Research and development expenses account for a significant portion of our operating expenses and consist primarily of external and internal costs incurred in connection with the discovery and development of our product candidates.

External expenses include: (i) payments to third parties in connection with the clinical development of our product candidates, including contract research organizations and consultants; (ii) the cost of manufacturing products for use in our preclinical studies and clinical trials, including payments to contract manufacturing organizations (CMOs) and consultants; (iii) scientific development services, consulting research fees and for sponsored research arrangements with third parties; (iv) laboratory supplies; and (v) allocated facilities, depreciation and other expenses, which include direct or allocated expenses for IT, rent and maintenance of facilities. External expenses are recognized based on an evaluation of the progress to completion of specific tasks using information provided to us by our service providers or our estimate of the level of service that has been performed at each reporting date. We track external costs by the stage of program, clinical or preclinical.

Internal expenses include employee-related costs, including salaries and related benefits for employees engaged in research and development functions. We do not track internal costs by product candidate because these costs are deployed across multiple programs and, as such, are not separately classified.

Research and development costs are expensed as incurred. Payments made prior to the receipt of goods or services to be used in research and development are deferred and recognized as expense in the period in which the related goods are received or services are rendered. Costs to develop our technology capabilities are recorded as research and development.

We expect our research and development expenses to increase as we continue to innovate and develop additional products and expand our data management resources. As our services revenue grows, an increasing portion of research and development dollars are expected to be allocated to cost of services for biopharmaceutical service contracts. This expense, though expected to increase in dollars, is expected to decrease as a percentage of revenue in the long term, though it may fluctuate as a percentage of our revenues from period to period due to the timing and extent of these expenses.

#### *Sales, marketing, general and administrative*

Our sales and marketing expenses are expensed as incurred and include costs associated with our sales organization, including our direct sales force and sales management, client services, marketing and reimbursement, as well as business development personnel who are focused on our biopharmaceutical customers. These expenses consist primarily of salaries, commissions, bonuses, employee benefits, and travel, as well as marketing and educational activities and allocated overhead expenses. We expect our sales and marketing expenses to increase in dollars as we expand our sales force, increase our presence within the United States, and increase our marketing activities to drive further awareness and adoption of our tests and our future products. These expenses, though expected to increase in dollars, are expected to decrease as a percentage of revenue in the long term, though they may fluctuate as a percentage of our revenues from period to period due to the timing and extent of these expenses.

Our general and administrative expenses include costs for our executive, accounting, finance, legal and human resources functions. These expenses consist principally of salaries, bonuses, employee benefits, and travel, as well as professional services fees such as consulting, audit, tax and legal fees, and general corporate costs and allocated overhead expenses. We expect that our general and administrative expenses will continue to increase in dollars, primarily due to increased headcount and costs associated with operating as a public company, including expenses related to legal, accounting, regulatory, maintaining compliance with exchange listing and requirements of the SEC, director and officer insurance premiums and investor relations. These expenses, though expected to increase in dollars, are expected to decrease as a percentage of revenue in the long term, though they may fluctuate as a percentage from period to period due to the timing and extent of these expenses.

## Change in Fair Value of Contingent Consideration

In connection with the purchase transaction of Indi, we recorded contingent consideration pertaining to the amounts potentially payable to Indi shareholder pursuant to the terms of the asset purchase agreement. The fair value of contingent consideration was assessed at each balance sheet date and changes, if any, to the fair value were recognized as operating expenses within the statement of operations. The Company met the gross margin target of \$2.0 million for three consecutive months during the three months ended June 30, 2021. Subsequent changes to the contingent consideration following the achievement of the gross margin target are recorded as 'Interest expense' in the statements of operations resulting from the passage of time and fixed payment schedule. The significant unobservable inputs used in the measurement of fair value included the probability of successful achievement of the specified product gross margin targets, the period in which the targets were expected to be achieved, and discount rates which ranged from 11% to 16%. As a result of the achievement of the gross margin target, the only significant unobservable input used in the measurement of fair value includes the discount rate since all other inputs became fixed and determinable. During the period ended June 30, 2022, the Company increased the discount rate to reflect current market and Company specific conditions.

On April 7, 2022, the Company entered into Amendment No. 3 to the Indi APA in which the parties agreed to restructure the milestone payments whereby the Company will make five quarterly installments of \$2.0 million each beginning in April 2022, three quarterly installments of \$3.0 million beginning in July 2023, one installment of \$5.0 million in April 2024, and one installment of approximately \$8.4 million in July 2024. In addition, the Company agreed to an exit fee of approximately \$6.1 million in October 2024. Interest shall accrue on the difference between the payment schedule as agreed in the August 2021 amendment and the April 2022 amended payment schedule, at an aggregate per annum rate equal to 10%, with such interest to be payable quarterly on the following installment payment date.

## Non-Operating Expenses

### Interest Expense and Interest Income

For the three and nine months ended September 30, 2022, interest expense consists of cash and non-cash interest from Promissory Note One, the 2021 Term Loan and changes in the value of our contingent consideration associated with the passage of time subsequent to the achievement of the gross margin target in the second quarter 2021. For the three and nine months ended September 30, 2021, interest expense primarily consists of cash and non-cash interest from our 2021 Term Loan. Interest income, which is included in 'Other income, net' in the statements of operations consists of income earned on our cash and cash equivalents.

## Results of Operations

The following table sets forth the significant components of our results of operations for the periods presented (in thousands, except percentages).

	Three Months Ended September 30,		Change		Nine Months Ended September 30,		Change	
	2022	2021	\$	%	2022	2021	\$	%
Revenues	\$ 11,107	\$ 6,531	\$ 4,576	70 %	\$ 28,605	\$ 47,282	\$ (18,677)	(40) %
Operating expenses:								
Direct costs and expenses	3,633	2,722	911	33 %	10,848	28,025	(17,177)	(61) %
Research and development	2,970	3,293	(323)	(10) %	9,537	9,937	(400)	(4) %
Sales, marketing, general and administrative	15,114	13,607	1,507	11 %	44,836	36,959	7,877	21 %
Change in fair value of contingent consideration	—	—	—	—	—	1,622	(1,622)	(100) %
Impairment loss on intangible assets	—	—	—	—	81	—	81	100 %
Total operating expenses	21,717	19,622	2,095	11 %	65,302	76,543	(11,241)	(15) %
Loss from operations	(10,610)	(13,091)	2,481	19 %	(36,697)	(29,261)	(7,436)	(25) %
Other (expense) income:								
Interest expense	(3,039)	(1,546)	(1,493)	(97) %	(5,522)	(3,012)	(2,510)	(83) %
(Loss) gain on extinguishment of liabilities, net	(52)	3,123	(3,175)	(102) %	(3,004)	2,395	(5,399)	225 %
Other income, net	2	—	2	100 %	114	1	113	11300 %
Total other (expense) income	(3,089)	1,577	(4,666)	296 %	(8,412)	(616)	(7,796)	(1266) %
Net loss	\$ (13,699)	\$ (11,514)	\$ (2,185)	(19) %	\$ (45,109)	\$ (29,877)	\$ (15,232)	(51) %
Share-based compensation <sup>(1)</sup>	\$ 1,170	\$ 1,386	\$ (216)	(16) %	\$ 3,884	\$ 3,677	\$ 207	6 %

(1) Amounts represent share-based compensation expense reported in the Company's results of operations above.

## Revenues

We generate revenue from our diagnostic tests and services that we provide. Our revenues for the periods indicated were as follows (in thousands, except percentages):

	Three Months Ended September 30,		Change		Nine Months Ended September 30,		Change	
	2022	2021	\$	%	2022	2021	\$	%
Revenues								
COVID-19	\$ 1,286	\$ 506	\$ 780	154%	\$ 5,224	\$ 29,802	\$ (24,578)	(82)%
Lung Diagnostic	9,157	4,533	4,624	102%	21,058	13,270	7,788	59%
Diagnostic testing revenue	10,443	5,039	5,404	107%	26,282	43,072	(16,790)	(39)%
Services revenue	664	1,492	(828)	(55)%	2,323	4,210	(1,887)	(45)%
Total revenues	\$ 11,107	\$ 6,531	\$ 4,576	70%	\$ 28,605	\$ 47,282	\$ (18,677)	(40)%

Total revenue increased \$4.6 million or 70%, and decreased \$18.7 million or 40% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021.

Diagnostic test revenue increased \$5.4 million or 107%, and decreased \$16.8 million or 39% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021. The increase for the three months ended September 30, 2022 compared to the same period in 2021 is due to a \$0.8 million increase in COVID-19 revenue and \$4.6 million increase in lung diagnostic revenue driven primarily from an increase in Nodify XL2 and CDT, and GeneStrat NGS tests delivered. The decrease in Diagnostic test revenue for the nine months ended September 30, 2022 compared to the same period in 2021 is due to a \$24.6 million reduction in COVID-19 revenue resulting from an increase in COVID-19 vaccination rates across the U.S. and the adoption and availability of at-home testing, including the expiration of significant testing contracts. The reduction in COVID-19 revenue was partially offset by an increase in our core lung diagnostic revenue of \$7.8 million driven primarily from an increase in Nodify XL2 and CDT, and GeneStrat NGS tests delivered. The Company's core lung diagnostic sales efforts continued to gain momentum during the three months ended September 30, 2022 as the COVID-19 pandemic recedes and as health care practitioners, including pulmonologists, increasingly returned to pre-pandemic related care.

Services revenue decreased \$0.8 million or 55%, and \$1.9 million or 45% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021 due to lower testing volumes driven by sample shipping logistics impacting timelines for existing and new agreements. In addition to delayed receipts in samples, service revenue can fluctuate due to several factors including contract timing, which can be long under normal circumstances, and currently reflects the slower pace of overall prospective clinical trial enrollment recovering from disruptions put forth by COVID-19.

## Operating expenses

### Direct costs and expenses

Direct costs and expenses related to revenue increased \$0.9 million or 33%, and decreased \$17.2 million or 61% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021. The increase in costs for the three months ended September 30, 2022 was due primarily to increased lung diagnostic revenue, testing volume, and the reserve recorded for excess inventory primarily associated with the wind down of the COVID-19 testing operation. The decrease in costs for the nine months ended September 30, 2022 was driven primarily by the overall decline in COVID-19 testing, as vaccinations increase as well as broader adoption and availability of at-home testing, partially offset by an increase in direct costs and expenses associated with increased lung diagnostic revenue and the reserve recorded for excess inventory.

### Research and development

Research and development expenses decreased \$0.3 million or 10%, and \$0.4 million or 4% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021. The decrease in costs for the three and nine months ended September 30, 2022 was due primarily to a decrease in employee compensation and benefit costs and other laboratory costs.

The following table summarizes our external and internal costs for the three and nine months ended September 30, 2022 and 2021 (in thousands, except percentages).

	Three Months Ended September 30,		Change		Nine Months Ended September 30,		Change	
	2022	2021	\$	%	2022	2021	\$	%
<b>External expenses:</b>								
Clinical trials and associated costs	\$ 433	\$ 364	\$ 69	19%	\$ 1,641	\$ 1,671	\$ (30)	(2)%
Other external costs	846	1,039	(193)	(19)%	2,685	3,049	(364)	(12)%
Total external costs	1,279	1,403	(124)	(9)%	4,326	4,720	(394)	(8)%
Internal expenses	1,691	1,890	(199)	(11)%	5,211	5,217	(6)	(0)%
Total research and development expenses	\$ 2,970	\$ 3,293	\$ (323)	(10)%	\$ 9,537	\$ 9,937	\$ (400)	(4)%

#### *Sales, marketing, general and administrative*

Sales, marketing, general and administrative expenses increased \$1.5 million or 11%, and \$7.9 million or 21% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021. This increase was driven primarily by increases in employee compensation and benefits for both the three and nine months ended September 30, 2022 associated with an increase in sales headcount and variable compensation during 2022 as compared to 2021. This is also the result of increases in non-employee costs for both the three and nine months ended September 30, 2022 associated with increased spending on various sales meetings, training, and campaigns.

#### *Change in fair value of contingent consideration*

Change in fair value of contingent consideration decreased \$1.6 million or 100% for the nine months ended September 30, 2022 compared to the same period in 2021. The net change to contingent consideration through the date the gross margin target was met is recorded as operating expenses in the statements of operations. The decrease of \$1.6 million is a result of the gross margin target being met during the three months ended June 30, 2021 and subsequent changes to the contingent consideration following the achievement of the gross margin target are recorded as 'Interest expense' in the statements of operations resulting from the passage of time and fixed payment schedule.

#### **Non-operating expenses**

##### *Interest expense*

Interest expense increased \$1.5 million or 97%, and \$2.5 million or 83% for the three and nine months ended September 30, 2022, respectively, compared to the same periods in 2021. This increase for the three and nine months ended September 30, 2022 is primarily related to interest associated with the contingent consideration, the securities purchase agreement with Streeterville Capital, LLC (the Lender), in which the Lender purchased Promissory Note One for which the Company recorded \$0.9 million and \$1.3 million, respectively and the accelerated accretion of the \$2.7 million Silicon Valley Bank (SVB) final payment as interest expense over the expected remaining term of the loan.

##### *(Loss) gain on extinguishment of liabilities, net*

The Company recorded a loss on extinguishment of liabilities of \$0.1 million and \$3.0 million for the three and nine months ended September 30, 2022, respectively. During the three months September 30, 2022, the Company recorded a loss on debt extinguishment of \$0.1 million resulting from the partial repayment of our 2021 Term Loan and the write-off of associated debt issuance costs. On April 7, 2022, the Company entered into Amendment No. 3 to the Indi APA in which all parties agreed to restructure the milestone payments. During the three months ended June 30, 2022, the Company evaluated Amendment No. 3 to the Indi APA in accordance with applicable accounting standards under U.S. GAAP which resulted in the extinguishment of the original instrument due to the substantially different terms. As a result, during the three months ended June 30, 2022, we recorded a loss on the extinguishment of \$2.9 million.

During the three and nine months ended September 30, 2021, the Company recognized a \$3.1 million and \$2.4 million net gain on debt extinguishment. The Company recorded a gain on debt extinguishment of \$3.1 million related to the legal release and forgiveness of the Paycheck Protection Program Loan in full. The gain was partially offset by losses on debt extinguishment of \$0.7 million and \$0.1 million resulting from the repayment and termination of our 2018 secured promissory note with Innovatus and the write-off of debt issuance costs associated with a \$20 million prepayment of our 2021 Term Loan, respectively.

#### **Liquidity and Capital Resources**

We are an emerging growth company and, as such, have yet to generate positive cash flows from operations. We have funded our operations to date principally from net proceeds from the sale of our common stock, the sale of convertible preferred stock, revenue from diagnostic testing and services, and the incurrence of indebtedness.

As a result of the pandemic, the Company diversified its diagnostic testing beyond lung diagnostic testing to include the critical service of COVID-19 diagnostic testing. Beginning in the third quarter 2020, the Company's COVID-19 testing services began to experience rapid growth with a peak in the first quarter 2021; however, subsequent to this peak, we experienced a rapid decline in COVID-19 testing revenue primarily as a result of a few significant contracts that expired as well as the ongoing increase in COVID-19 vaccination rates across the U.S. and the adoption and availability of at-home testing. In addition, the COVID-19 pandemic negatively affected our lung diagnostic testing-related revenue and our clinical studies. We began to see recovery during the fourth quarter 2020 in our core lung diagnostic testing as our delivered tests exceeded first quarter 2020 delivered tests. The Company's sales efforts continued to be impacted by the COVID-19 pandemic during the first half of the first quarter 2022 due to surges associated with variants, which negatively affected the growth rate of our core lung diagnostic testing-related revenue and our clinical studies. However, we began to see further recovery during the latter half of the first quarter and throughout the second quarter 2022 in lung diagnostic testing as health care practitioners, including pulmonologists, increasingly returned to pre-pandemic related care. As a result, the items identified above have had an adverse effect on our revenue, results of operations and cash flows.

In March 2021, we completed the closing of our 2021 Term Loan for a principal amount of \$30 million and extinguished our prior 2018 term loan for \$25.9 million. The 2021 Term Loan contains customary affirmative covenants, including covenants regarding compliance with applicable laws and regulation, payment of taxes, insurance coverage, notice of certain events, and reporting requirements. Further, the 2021 Term Loan contains customary negative covenants limiting the ability to, among other things, incur future debt, transfer assets except for the ordinary course of business, make acquisitions, make certain restricted payments, and sell assets, subject to certain exceptions. The 2021 Term Loan requires the Company to comply with a minimum liquidity ratio covenant (as defined in the 2021 Term Loan) of not less than 0.95 to 1.00, and had a trailing six-month rolling revenue requirement of not less than 70% of the Company's projected revenue performed at the end each reporting period.

The gross margin target associated with the purchase transaction of Indi was achieved in the quarter ending June 30, 2021, giving rise to the previously disclosed contingent obligations of \$37.0 million in the aggregate payable through the issuance of Company's shares of common stock subject to a fixed price put option. The Company entered into an amendment in August 2021 to the original agreement in which all parties agreed to forgo the issuance of shares of common stock of the Company that would otherwise be issued, and the Company will instead make six quarterly installment payments of \$4.6 million beginning in January 2022 and a final payment of approximately \$9.3 million in July 2023 for a total of \$37.0 million (the Milestone Payments and each individually a Milestone Payment). The aggregate amount of payments owed by the Company under this amendment is the same as if Indi had exercised the put right or the Company had exercised the call right provided for in the original agreement.

On September 30, 2021, we entered into the Consent and First Amendment to Loan and Security Agreement (the 2021 Term Loan Amendment) to, among other things, amend our 2021 Term Loan to eliminate the revenue covenant for the period ended September 30, 2021 and modify the revenue covenant threshold for the three month period ended December 31, 2021. In addition, we agreed to establish a restricted cash collateral account for \$15 million for the benefit of SVB if the balance of our cash and cash equivalents declined below \$40 million.

On December 30, 2021, the Company raised approximately \$16.3 million in gross proceeds from the sale of 3,756,994 common shares at a public offering price of \$4.35 per share in an at-the-market offering. The Company received net proceeds of \$15.7 million after deducting underwriting discounts and commissions and offering expenses payable by the Company.

On December 31, 2021, we entered into the Consent and Second Amendment to Loan and Security Agreement (Second Amendment) to, among other things, amend our 2021 Term Loan and First Amendment to: (i) obtain consent for the \$4.6 million January 2022 Milestone Payment due under the Indi APA, (ii) repay \$20 million in outstanding principal on December 31, 2021, (iii) waive the \$600,000 prepayment fee on the \$20 million 2021 Term Loan repayment, (iv) waive the minimum revenue covenant as of December 31, 2021, and (v) modify the minimum revenue requirement to not less than 75% for the three months ended March 31, 2022 and not less than 75% on a trailing six month rolling basis for each quarter thereafter of the Company's projected revenue performed at the end of each reporting period. SVB agreed to apply the full amount of funds previously established within the restricted cash collateral account to partially repay the \$20 million in outstanding principal, thereby eliminating the restricted cash collateral account.

On March 7, 2022 (the Effective Date), the Company entered into a purchase agreement with Lincoln Park, pursuant to which Lincoln Park has committed to purchase up to \$50.0 million of the Company's common stock (the Purchase Agreement). Under the terms and subject to the conditions of the Purchase Agreement, the Company has the right, but not the obligation, to sell to Lincoln Park, and Lincoln Park is obligated to purchase up to \$50.0 million of the Company's common stock. Such sales of common stock by the Company, if any, will be subject to certain limitations, and may occur from time to time, at the Company's sole discretion, over the 36-month period commencing on the Effective Date. As consideration for Lincoln Park's irrevocable commitment to purchase our common stock upon the terms of and subject to satisfaction of the conditions set forth in the purchase agreement, on the Effective Date, the Company issued 184,275 shares of common stock to Lincoln Park as a commitment fee valued at \$600,000 for which no consideration was received.

On April 7, 2022, the Company entered into subscription agreements (the Subscription Agreements) with a consortium of investors (the Investors), including three members of our Board of Directors and other existing shareholders of the Company, for the issuance and sale

by the Company of an aggregate of 6,508,376 shares of the Company's common stock in an offering for an aggregate purchase price of approximately \$11.7 million.

On April 7, 2022, the Company entered into the Consent and Third Amendment to Loan and Security Agreement (Third Amendment) whereby subject to the terms and conditions of the Third Amendment, certain waivers and consents were provided. Under the terms of the Third Amendment to our 2021 Term Loan, the Company agreed to the repayment of \$3.0 million in outstanding principal in April 2022 with an additional \$2.0 million to be paid no later than September 30, 2022, in exchange for the following:

- Consent for a \$2.0 million April 2022 mutually agreed upon Milestone Payment under the Indi APA, as amended;
- Waiver of minimum revenue requirement for the three months ended March 31, 2022 and adjustment of remaining revenue milestones for 2022; and
- Waiver and elimination of the prepayment fee on the \$3.0 million 2021 Term Loan partial repayment in April 2022 and subsequent \$2.0 million principal repayment.

The Company further amended the Indi APA agreement in April 2022 in which all parties agreed to restructure the Milestone Payments whereby the Company will make five quarterly installments of \$2.0 million each beginning in April 2022, three quarterly installments of \$3.0 million beginning in July 2023, one installment of \$5.0 million in April 2024, and one installment of approximately \$8.4 million in July 2024. In addition, the Company agreed to an exit fee of approximately \$6.1 million in October 2024. Interest shall accrue on the difference between the payment schedule as agreed in the August 2021 amendment and the April 2022 amended payment schedule, at an aggregate per annum rate equal to 10%, with such interest to be payable quarterly on the following installment payment date. Our ability to make these payments are subject to consent from our lender under the 2021 Term Loan and related amendments. We have obtained SVB consent for contractual payments through the fourth Milestone Payment and interest payment of \$2.1 million paid in October 2022 and we are in discussions with SVB to obtain consents for future payments.

On May 9, 2022, the Company entered into a securities purchase agreement with Streeterville Capital, LLC (the Lender), pursuant to which, among other things, the Lender: (i) purchased a secured promissory note (Promissory Note One) in the aggregate principal amount totaling \$16.0 million in exchange for \$15.0 million less certain expenses and (ii) agreed to purchase another secured promissory note at the Company's election (Promissory Note Two and, together with Promissory Note One, the Promissory Notes), subject to certain conditions precedent in aggregate principal amount totaling \$10.3 million in exchange for \$10.0 million in cash proceeds. Each of the Promissory Notes may, at the Company's option, be settled in cash or shares of common stock of the Company, upon the terms and subject to the limitations and conditions set forth in the Promissory Notes. On May 9, 2022, the Company closed on the first tranche for gross proceeds of \$15.0 million (approximately \$12.8 million, net, after deducting debt issuance costs and OID), and intends to use the proceeds from such issuance for general corporate purposes.

On September 30, 2022, the Company entered into the Consent and Fourth Amendment to Loan and Security Agreement (the 2021 Term Loan Fourth Amendment). Under the terms of the 2021 Term Loan Fourth Amendment, the Company agreed to a repayment of \$2.0 million in outstanding principal on the earlier of (a) November 30, 2022, or (b) the date on which our unrestricted cash held with SVB falls below \$10.0 million, which could be extended to December 15, 2022, subject to equity fund raising of at least \$5 million, in exchange for: (i) consent for the \$2.1 million October 2022 milestone and interest payment under the Indi APA, as amended, and (ii) waiver and elimination of the prepayment fee on the subsequent \$2.0 million 2021 Term Loan principal repayment.

As mentioned above, the Company maintains two facilities that enable equity financing on an ongoing basis at the Company's sole discretion, our at-the-market offering and our common stock purchase agreement with Lincoln Park Capital Fund, LLC (the LPC facility). During the three and nine months ended September 30, 2022, the Company raised approximately \$1.8 million and \$6.3 million, respectively (\$1.7 million and \$5.8 million, respectively, after deducting underwriting discounts and commissions and offering expenses payable), in gross proceeds from the sale of 923,720 and 3,051,611 common shares at a weighted average price per share of \$1.98 and \$2.07, respectively, under these programs. As of September 30, 2022, the Company had remaining available capacity for share issuances of approximately \$29.5 million under the at-the-market facility and up to \$47.9 million under the LPC facility, each subject to the restrictions and limitations of the underlying facilities, as applicable.

As of September 30, 2022, we maintained cash and cash equivalents of \$15.2 million and we have \$21.4 million in outstanding aggregate principal amount on our 2021 Term Loan and Promissory Note One. We have incurred significant losses since inception and, as a result, we have funded our operations to date primarily through the sale of common stock, the sale of convertible preferred stock, the issuance of notes payable, and from our two primary revenue sources: (i) diagnostic testing, which include lung diagnostic testing and COVID-19 testing, and (ii) providing biopharmaceutical companies with development and testing services. In accordance with Accounting Standards Update 2014-15 (ASC Topic 205-40), *Presentation of Financial Statements - Going Concern: Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern*, the Company is required to evaluate whether there is substantial doubt about its ability to continue as a going concern each reporting period, including interim periods. In evaluating the Company's ability to continue as a going concern, management projected its cash flow sources, including the debt and equity funding and amendments to the 2021 Term Loan and Indi APA, and evaluated the conditions and events that could raise substantial doubt about the Company's ability to continue as a going concern within one year after the date that these financial statements were issued. Management considered the

Company's current projections of future cash flows, current financial condition, sources of liquidity and debt obligations for at least one year from the date of issuance of this Form 10-Q in considering whether it has the ability to meet its obligations.

Our ability to meet our obligations as they come due may be impacted by our ability to remain compliant with financial covenants in our loan agreements or to obtain waivers or amendments that impact the related covenants. As of September 30, 2022, the Company was in compliance with all restrictive and financial covenants associated with its borrowings. However, due to the continued uncertainty caused by the COVID-19 pandemic, significant risks remain with respect to our ability to meet these thresholds and any material adverse effect on our revenues, income and expenses could impact our ability to maintain compliance with these covenants.

Based on our current operating plan, unless we continue to raise additional capital (debt or equity) or obtain waiver from complying with such financial covenants, we expect that we will be unable to maintain our financial covenants under our existing loan agreements during the next twelve months, which could result in an Event of Default, as defined, causing an acceleration of the outstanding balances. We have taken steps to improve our liquidity through the actions noted above and have also undertaken several proactive measures to mitigate the financial and operational impacts of COVID-19 through the reduction of planned capital expenditures and certain operating expenses but we do not expect that these actions alone will be sufficient to maintain our financial covenants. We plan to raise additional funding through the issuance of equity or debt securities and any such financing activities are subject to market conditions. If we do raise additional capital through public or private equity offerings, the ownership interest of our existing stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect our existing stockholders' rights. If we raise additional capital through debt financing, we may be subject to covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. There can be no assurance that additional capital will be available to us or, if available, will be available in sufficient amounts or on terms acceptable to us or on a timely basis nor can there be any assurance that the Company will be a beneficiary of the COVID-19 Action Plan. If adequate capital resources are not available on a timely basis, we intend to consider limiting our operations substantially. This limitation of operations could include a hiring freeze, reductions in our workforce, reduction in cash compensation, deferring capital expenditures, and reducing other operating costs.

The Company's revenues, results of operations and cash flows have been materially adversely impacted by the items noted above. We expect to continue to incur operating losses in the near term while we make investments to support our anticipated growth. Our current operating plan, which is in part determined based on our most recent historical actual results and trends, along with the items noted above, raises substantial doubt about the Company's ability to continue as a going concern for a period beyond one year from when the September 30, 2022 financial statements are issued. Our unaudited financial statements have been prepared assuming we will continue as a going concern and do not include any adjustments that might be necessary should we be unable to continue as a going concern.

### Cash Flows

The following summarizes our cash flows for the periods indicated (in thousands):

	<b>Nine Months Ended September 30,</b>	
	<b>2022</b>	<b>2021</b>
Net cash flows (used in) provided by:		
Operating activities	\$ (33,024)	\$ (18,026)
Investing activities	(1,547)	(1,906)
Financing activities	17,034	5,625
Net decrease in cash and cash equivalents and restricted cash	<u>\$ (17,537)</u>	<u>\$ (14,307)</u>

Our cash flows resulted in a net decrease in cash and cash equivalents of \$17.5 million during the nine months ended September 30, 2022 as compared to the net decrease in cash of \$14.3 million for the nine months ended September 30, 2021. For the nine months ended September 30, 2022, net cash used in operating activities increased by approximately \$15.0 million due to a year-over-year increase in net loss from operations of \$15.2 million, which includes an increase in non-cash expenses of approximately \$9.9 million, and unfavorable changes in net working capital of \$9.7 million primarily as a result of the \$5.0 million cash collateralized letter of credit (classified as long-term restricted cash as of the second quarter 2022) under the operating lease agreement with Centennial Valley Properties I, LLC being released and the funds subsequently transferred to the landlord as a refundable deposit to secure the performance of the Company's obligations and a decrease in cash collections from customers and payments to vendors.

Net cash used in investing activities during the nine months ended September 30, 2022 totaled \$1.5 million, a decrease of \$0.4 million compared to the same period in 2021. The decrease in net cash used in investing activities was primarily due to decreases in purchases of property and equipment and payments for patents and trademarks.

Net cash provided by financing activities during the nine months ended September 30, 2022 totaled \$17.0 million, an increase of \$11.4 million compared to the same period in 2021. The net cash provided by financing activities for the nine months ended September 30, 2022 primarily resulted from \$18.0 million net proceeds from the issuance of common stock, \$12.8 million net proceeds from the issuance of Promissory Note One, partially offset by the milestone payments to Indi of \$8.7 million and partial repayment of the 2021



Term Loan of \$5.0 million. The net cash provided by financing activities for the nine months ended September 30, 2021 primarily resulted from the net proceeds from our 2021 Term Loan of \$29.9 million, and proceeds from the exercise of stock options and issuance of common stock under the ESPP of approximately \$1.1 million, primarily offset by the repayment of \$25.4 million from our 2018 Term Loan.

### Contractual Obligations and Commitments

As a result of the entering into additional operating lease agreements, the secured promissory note, and Amendment No. 3 to the Indi APA, our non-cancelable contractual obligations and commitments for lease and debt obligations as presented in our Form 10-K have been modified. The following table provides an update as follows as of September 30, 2022 (in thousands):

	Payments due by period				
	Total	Less than 1 year	1 to 3 years	4 to 5 years	More than 5 years
Borrowings and interest <sup>(1)</sup>	\$ 25,243	\$ 19,244	\$ 5,987	\$ 12	\$ —
Contingent consideration <sup>(2)</sup>	36,806	9,919	26,887	—	—
Operating lease obligations <sup>(3)</sup>	49,245	2,010	5,951	7,999	33,285
Total	<u>\$ 111,294</u>	<u>\$ 31,173</u>	<u>\$ 38,825</u>	<u>\$ 8,011</u>	<u>\$ 33,285</u>

(1) Includes the Promissory Note One, assuming exercise of cash redemption by lender, and 2021 Term Loan payments of principal, interest and final payment fee of \$2.7 million. All outstanding obligations under the 2021 Term Loan are presented in less than 1 year as the requirements of Promissory Note One include the repayment of all amounts outstanding under the 2021 Term Loan within nine months of the inception of Promissory Note One.

(2) The gross margin target associated with the purchase transaction of Indi was achieved in the quarter ending June 30, 2021, giving rise to the previously disclosed contingent obligations of \$37.0 million in the aggregate payable through the issuance of Company's shares of common stock subject to a fixed price put option. The Company entered into an amendment in August 2021 to the original agreement in which all parties agreed to forgo the issuance of shares of common stock of the Company that would otherwise be issued, and the Company will instead make six quarterly installment payments of \$4.6 million beginning in January 2022 and a final payment of approximately \$9.3 million in July 2023 for a total of \$37.0 million. The aggregate amount of payments owed by the Company under this amendment is the same as if Indi had exercised the put right or the Company had exercised the call right provided for in the original agreement. On April 7, 2022, the Company entered into Amendment No. 3 to the Indi APA in which all parties agreed to restructure the milestone payments associated with the contingent consideration whereby the Company will make five quarterly installments of \$2.0 million each beginning in April 2022, three quarterly installments of \$3.0 million beginning in July 2023, one installment of \$5.0 million in April 2024, and one installment of approximately \$8.4 million in July 2024. In addition, the Company agreed to an exit fee of approximately \$6.1 million in October 2024. Interest shall accrue on the difference between the original payment schedule and the amended payment schedule, at an aggregate per annum rate equal to 10%, with such interest to be payable quarterly on the following installment payment date.

(3) The contractually agreed upon \$20.8 million of tenant improvement allowances are expected to be received in less than 1 year, during the remainder of 2022 and the first half of 2023.

There have been no other significant changes to our future contractual obligations as disclosed in our Annual Report on Form 10-K for the year ended December 31, 2021.

### Off-Balance Sheet Arrangements

As of September 30, 2022, we have not entered into any off-balance sheet arrangements.

### Critical Accounting Policies and Significant Judgments and Estimates

In accordance with accounting principles generally accepted in the United States, we are required to make estimates and assumptions that affect the amounts reported in the condensed financial statements and accompanying notes. Certain of these estimates significantly influence the portrayal of our financial condition and results of operations and require us to make difficult, subjective or complex judgments. Our critical accounting policies are described in greater detail below and in Note 2 to our condensed financial statements in Part 1 of this Quarterly Report on Form 10-Q.

#### Revenue Recognition

We recognize revenue when our customers obtain control of promised goods or services, in an amount that reflects the consideration which we expect to receive in exchange for our goods or services. To determine revenue recognition for our arrangements with our customers, we perform a five-step process, which includes: (i) identifying the contract(s) with a customer; (ii) identifying the performance obligations in the contract; (iii) determining the transaction price; (iv) allocating the transaction price to the performance obligations in the contract; and (v) recognizing revenue when (or as) we satisfy our performance obligations.



### *Diagnostic test revenues*

Diagnostic test revenues are recognized upon completion of our performance obligation to the deliver test results to our customer, either the prescribing physician or third-party to which we contracted for services to be performed. We consider diagnostic testing to be completed upon the delivery of test results to our customer which is considered the performance obligation. The fees for such services are billed either to a third party such as Medicare, medical facilities, commercial insurance payers, or to the patient. We determine the transaction price related to our contracts by considering the nature of the payer, the historical amount of time until payment by a payer and historical price concessions granted to groups of customers. These estimates require significant judgment by management.

### *Service revenues*

Service revenues are recognized upon completion of our performance obligation to deliver testing results for assay development and testing services. The performance obligations and related revenue for these sales is defined by a written agreement between us and our customer. These services are generally completed upon the delivery of testing results, or other contractually defined milestone(s), to the customer, which is considered the performance obligation. Customers for these services are typically large pharmaceutical companies where collectability is reasonably assured and therefore revenue is accrued upon completion of the performance obligations. Revenue derived from services is often unpredictable and can cause dramatic swings in our overall net revenue line from quarter to quarter.

### *Share-based Compensation and Grant Date Fair Value*

Share-based compensation related to stock options granted to our employees, directors and non-employees is measured at the grant date based on the fair value of the award. For our service-based awards, the fair value of each award is recognized as expense on a straight-line basis over the requisite service period, which is generally the vesting period of the respective awards. Compensation expense for share-based awards with performance conditions is recognized based upon the probability the performance conditions will be met as defined in the grant. Restricted stock units are measured at their grant date fair value using the closing price of our common stock on the date of grant and recognized to expense on a straight-line basis over the vesting period of each award. We estimate forfeitures and adjust these estimates to actual forfeitures as they occur.

We use the Black-Scholes option-pricing model to estimate the fair value of our share-based option awards, which requires assumptions to be made related to expected term of an award, expected volatility, the risk-free rate and expected dividend yield. The fair value of our common stock is based on our closing price as reported on the date of grant on the primary stock exchange on which our common stock is traded. Changes in these subjective assumptions can materially affect the estimated value of equity grants and the share-based compensation that we record in our financial statements.

### *Recently Issued Accounting Pronouncements*

In February 2016, the FASB issued ASU No. 2016-2, *Leases* (Topic 842). This ASU intends to make accounting for leasing activities more transparent and comparable, and requires substantially all leases be recognized by lessees on their balance sheet as a right-of-use asset and corresponding lease liability, including leases currently accounted for as operating leases. In addition to other related amendments, the FASB issued ASU No. 2018-11, *Leases* (Topic 842): *Targeted Improvements*, which offers an additional transition method whereby entities may apply the new leases standard at the adoption date and recognize a cumulative-effect adjustment to the opening balance of retained earnings rather than application of the new leases standard at the beginning of the earliest period presented in the financial statements. The Company elected this transition method and adopted ASC 842 on January 1, 2022 and as a result, recorded operating lease right-of-use (ROU) assets of \$1.3 million, including offsetting deferred rent of \$0.1 million, along with the associated operating lease liabilities of \$1.3 million. On January 1, 2022, the Company did not have any finance leases. Additional information and disclosures required by this new standard are contained in Note 3 and Note 7 to our condensed financial statements in Part 1 of this Quarterly Report on Form 10-Q.

In June 2016, the FASB issued ASU No. 2016-13, *Financial Instruments-Credit Losses: Measurement of Credit Losses on Financial Instruments* (ASC Topic 326). This ASU requires measurement and recognition of expected credit losses for financial assets. This guidance will become effective for the Company beginning January 1, 2023 with early adoption permitted. The Company is currently evaluating this guidance and assessing the overall impact on its financial statements.

### *Implications of Being an Emerging Growth Company and Smaller Reporting Company*

We are an “emerging growth company” within the meaning of the Jumpstart Our Business Startups Act (JOBS Act). As an emerging growth company, we may take advantage of certain exemptions from various public company reporting requirements, including the requirement that our internal control over financial reporting be audited by our independent registered public accounting firm pursuant to Section 404 of the Sarbanes-Oxley Act of 2002 (the “Sarbanes-Oxley Act”), certain requirements related to the disclosure of executive compensation in our periodic reports and proxy statements, the requirement that we hold a nonbinding advisory vote on executive compensation and any golden parachute payments. We may take advantage of these exemptions until we are no longer an emerging growth company. Section 107 of the JOBS Act provides that an emerging growth company can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act, for complying with new or revised accounting standards. In other words, an

emerging growth company can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies.

We have elected to take advantage of the extended transition period to comply with new or revised accounting standards and to adopt certain of the reduced disclosure requirements available to emerging growth companies. As a result of the accounting standards election, we will not be subject to the same implementation timing for new or revised accounting standards as other public companies that are not emerging growth companies, which may make comparison of our financials to those of other public companies more difficult.

We will remain an emerging growth company until the earliest to occur of (i) the last day of the fiscal year in which we have more than \$1.07 billion in annual revenue; (ii) the date we qualify as a "large accelerated filer," with at least \$700 million of equity securities held by non-affiliates; (iii) the date on which we have issued, in any three-year period, more than \$1.0 billion in non-convertible debt securities; and (iv) until December 31, 2025 (the year ended December 31st following the fifth anniversary of our initial public offering).

Additionally, we are a "smaller reporting company" as defined in Item 10(f)(1) of Regulation S-K. Smaller reporting companies may take advantage of certain reduced disclosure obligations, including, among other things, providing only two years of audited financial statements. We will remain a smaller reporting company until the last day of the fiscal year in which: (i) the market value of our common shares held by non-affiliates exceeds \$250 million as of the end of that year's second fiscal quarter, or (ii) our annual revenues exceeded \$100 million during such completed fiscal year and the market value of our common shares held by non-affiliates exceeds \$700 million as of the end of that year's second fiscal quarter.

### **Item 3. Quantitative and Qualitative Disclosures About Market Risk.**

We are exposed to market risk in the ordinary course of our business. Market risk represents the risk of loss that may impact our financial position due to adverse changes in financial market prices and rates.

#### ***Interest rate risk***

We are exposed to market risk for changes in interest rates related primarily to our cash and cash equivalents and our indebtedness, including our outstanding 2021 Term Loan. As of September 30, 2022, we had \$5.0 million outstanding on the 2021 Term Loan subject to a floating per annum rate equal to the greater of (i) 2.00% above the prime rate, or (ii) 5.25%. Historically, we have not entered into derivative agreements such as interest rate caps and swaps to manage our floating interest rate exposure.

Periodically throughout the year, we have maintained balances in various operating accounts in excess of federally insured limits. Our cash and cash equivalents are funds held in checking and bank savings accounts, primarily at two U.S. financial institutions. We consider all highly liquid instruments purchased with an original maturity of three months or less to be cash equivalents. We continually monitor our positions with, and the credit quality of, the financial institutions with which we invest.

As of September 30, 2022, a hypothetical 100 basis point increase in interest rates would not have a material impact on our investment portfolio, financial position or results of operations.

### **Item 4. Controls and Procedures.**

#### **Evaluation of Disclosure Controls and Procedures**

We maintain "disclosure controls and procedures," as such term is defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, or Exchange Act, that are designed to ensure that information required to be disclosed by us in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in Securities and Exchange Commission rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. In designing and evaluating our disclosure controls and procedures, management recognized that disclosure controls and procedures, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the disclosure controls and procedures are met. Our disclosure controls and procedures have been designed to meet reasonable assurance standards. Additionally, in designing disclosure controls and procedures, our management necessarily was required to apply its judgment in evaluating the cost-benefit relationship of possible disclosure controls and procedures. The design of any disclosure controls and procedures also is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions.

Based on their evaluation as of the end of the period covered by this Quarterly Report on Form 10-Q, our Chief Executive Officer and Chief Financial Officer have concluded that, as of such date, our disclosure controls and procedures were effective at the reasonable assurance level.

There were no changes to our internal control over financial reporting during the three months ended September 30, 2022, that have materially affected, or are reasonable likely to materially effect, our internal controls over financial reporting.

## PART II—OTHER INFORMATION

### Item 1. Legal Proceedings.

From time to time, we may become involved in legal proceedings or investigations which could have an adverse impact on our reputation, business and financial condition and divert the attention of our management from the operation of our business. We are not presently a party to any legal proceedings that, if determined adversely to us, would individually or taken together have a material adverse effect on our business, results of operations, financial condition, or cash flows.

### Item 1A. Risk Factors.

“Item 1A. Risk Factors” of our Annual Report on Form 10-K as of and for the year ended December 31, 2021, filed March 14, 2022, and subsequent quarterly reports on Form 10-Q, if applicable, include a discussion of our risk factors. These risks could materially and adversely affect our business, financial condition and results of operations.

### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

On April 7, 2022, the Company entered into subscription agreements (the Subscription Agreements) with a consortium of investors (the Investors), including three members of our Board of Directors and other existing shareholders of the Company, for the issuance and sale by the Company of an aggregate of 6,508,376 shares of the Company’s common stock (the Shares) in an offering (the Private Placement). The three members of our Board of Directors acquired an aggregate of 3,631,284 shares pursuant to the form of a Subscription Agreement that did not include any registration rights as they are exempt from registration pursuant to Section 4(a)(2) of the Securities Act of 1933, as amended (the Securities Act), and Rule 506 promulgated thereunder. The remaining 2,877,092 shares were acquired by others pursuant to the form of a Subscription Agreement whereby we agreed to file, subject to certain exceptions, a shelf registration statement with respect to resales of such shares with the Securities and Exchange Commission no later than 60 days from April 7, 2022, which the Company filed on June 6, 2022.

Pursuant to the Subscription Agreements, the Investors purchased shares at a purchase price (determined in accordance with Nasdaq rules relating to the “Minimum Value” of the Company’s common stock) of \$1.79 per share, which is equal to the closing price of the Company’s common stock on April 7, 2022, for an aggregate purchase price of approximately \$11.7 million, in order to, among other things, fund the partial repayment of the 2021 Term Loan and for general corporate purposes.

### Item 3. Defaults Upon Senior Securities.

None.

### Item 4. Mine Safety Disclosures.

Not applicable.

### Item 5. Other Information.

None.

**Item 6. Exhibits.**

Exhibit Number	Description
10.1*	<a href="#"><u>Consent and Fourth Amendment to Loan and Security Agreement</u></a>
31.1*	<a href="#"><u>Certification of Principal Executive Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.</u></a>
31.2*	<a href="#"><u>Certification of Principal Financial Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.</u></a>
32.1*	<a href="#"><u>Certification of Principal Executive Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.</u></a>
32.2*	<a href="#"><u>Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.</u></a>
101.INS	Inline XBRL Instance Document – the instance document does not appear in the Interactive Data File because XBRL tags are embedded within the Inline XBRL document.
101.SCH	Inline XBRL Taxonomy Extension Schema Document
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

\* Filed herewith.

† Previously filed.

+ Management contract or compensatory plan.

## SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Biodesix, Inc.

Date: November 3, 2022

By: /s/ RYAN H. SIUREK  
*Ryan H. Siurek*  
*Chief Accounting Officer*

## CONSENT AND FOURTH AMENDMENT TO LOAN AND SECURITY AGREEMENT

This **CONSENT AND FOURTH AMENDMENT** to Loan and Security Agreement (this “Amendment”) is entered into as of September 30, 2022, by and between **SILICON VALLEY BANK**, a California corporation (“**Bank**”) and **BIODESIX, INC.**, a Delaware corporation (“**Borrower**”).

### RECITALS

**A.** Bank and Borrower have entered into that certain Loan and Security Agreement dated as of March 19, 2021 (as the same may from time to time be amended, modified, supplemented or restated, including, without limitation, by that certain First Amendment to Loan and Security Agreement dated as of September 30, 2021, that certain Consent and Second Amendment to Loan and Security Agreement dated as of December 31, 2021, that certain letter agreement re “Loan and Security Agreement dated as of March 19, 2021” dated as of April 1, 2022, and that certain Consent and Third Amendment to Loan and Security Agreement dated as of April 7, 2022, collectively, the “**Loan Agreement**”). Bank has extended credit to Borrower for the purposes permitted in the Loan Agreement.

**B.** Borrower has further informed Bank that Borrower intends to make a certain payment owing to the “Seller” as defined the Integrated Diagnostics APA in an amount equal to Two Million One Hundred Thirty One Thousand Two Hundred Forty Nine Dollars and Twenty Cents (\$2,131,249.20) on October 1, 2022 (the “**October 2022 Integrated Earnout Payment**”). Section 7.7 of the Loan Agreement provides that Borrower shall not pay any dividends or make any distribution or payment or redeem, retire or purchase any capital stock, including but not limited to any payments under or in connection with the Integrated Diagnostics APA without Bank’s prior written consent; and Borrower has requested such consent from Bank (the “**October 2022 Integrated Earnout Payment Consent**”).

**C.** Borrower has further requested that Bank amend the Loan Agreement to make certain revisions to the Loan Agreement as more fully set forth herein. Subject to the satisfaction of the items set forth in Section 12 below, Bank has agreed to (i) the October 2022 Integrated Earnout Payment Consent, and (ii) amend certain provisions of the Loan Agreement, but only to the extent, in accordance with the terms, subject to the conditions and in reliance upon the representations and warranties set forth below.

### AGREEMENT

**NOW, THEREFORE**, in consideration of the foregoing recitals and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and intending to be legally bound, the parties hereto agree as follows:

**1. Definitions.** Capitalized terms used but not defined in this Amendment shall have the meanings given to them in the Loan Agreement.

**2. Consent.** Subject to satisfaction of the items set forth in Section 12 below, Bank hereby agrees to the October 2022 Integrated Earnout Payment Consent and agrees that the making by Borrower of the October 2022 Integrated Earnout Payment shall not, in and of itself, cause an “Event of Default” under the Loan Agreement. Bank’s consent with respect to Section 7.7 of the Loan Agreement shall apply only with respect to the October 2022 Integrated Earnout Payment (and shall not apply to any additional earnout payments that may be due and owing under the terms of the Integrated Diagnostics APA). Bank’s agreement to the October 2022 Integrated Earnout Payment Consent (a) in no way shall be deemed an agreement by Bank to consent or otherwise waive Borrower’s compliance with the above-referenced sections as of any other date, and (b) shall not limit or impair the Bank’s right to demand strict performance of such section as of all other dates.

### 3. Amendments to Loan Agreement.

**3.1 Section 2.1.1 (Term Loan Advance).** Section 2.1.1(c)(i) of the Loan Agreement hereby is amended and restated in its entirety to read as follows:

“(i) Voluntary Prepayment. On or about the Second Amendment Effective Date, Borrower made a prepayment to Bank in an amount equal to Twenty Million Dollars (\$20,000,000) of the outstanding principal balance of the Term Loan Advance as of such date. On or about April 1, 2022, Borrower made a prepayment to Bank in an amount equal to Two Million Dollars (\$2,000,000) of the outstanding principal balance of the Term Loan Advance on such date.

On or about the Third Amendment Effective Date, Borrower prepaid an additional One Million Dollars (\$1,000,000) of the outstanding principal balance of the Term Loan Advance as of such date (the “**Third Amendment Prepayment**”); provided that, for the avoidance of doubt, no Prepayment Fee was applied to the Third Amendment Prepayment.

On or prior to September 30, 2022, Borrower shall prepay an additional Two Million Dollars (\$2,000,000) of the outstanding principal balance of the Term Loan Advance as of such date (the “**2022 Prepayment**”); provided that, for the avoidance of doubt, no Prepayment Fee shall apply to the 2022 Prepayment.

On or prior to the Fall 2022 Prepayment Date, Borrower shall prepay an additional Two Million Dollars (\$2,000,000) of the outstanding principal balance of the Term Loan Advance as of such date (the “**Fall 2022 Prepayment**”); provided that, for the avoidance of doubt, no Prepayment Fee shall apply to the Fall 2022 Prepayment.

At any time, Borrower shall have the option to prepay all, but not less than all, of the remaining outstanding principal balance of the Term Loan Advance, provided Borrower (A) delivers written notice to Bank of its election to prepay the remaining outstanding principal balance of the Term Loan Advance at least five (5) Business Days prior to such prepayment, and (B) pays, on the date of such prepayment (w) all remaining outstanding principal due hereunder with respect to the Term Loan Advance, plus accrued and unpaid interest thereon, (x) the Prepayment Fee, if applicable, (y) the Final Payment, and (z) all other sums, if any, that shall have become due and payable hereunder with respect to the Term Loan Advance, including interest at the Default Rate with respect to any past due amounts.”

**3.2 Section 2.4 (Fees and Expenses).** Sections 2.4(a) and 2.4(b) of the Loan Agreement hereby are amended and restated in their entirety to read as follows:

“(a) Prepayment Fee. The Prepayment Fee, when due hereunder; provided that (i) the Prepayment Fee shall be deemed to be automatically waived by Bank if the Term Loan Advance is refinanced with another credit facility from Bank, (ii) Bank hereby agrees to waive Borrower’s payment of that portion of the Prepayment Fee that would otherwise be due and owing to Bank in connection with each of (A) the prepayment by Borrower of Twenty Million Dollars (\$20,000,000) of the Term Loan Advance on or prior to the Second Amendment Effective Date, (B) the prepayment by Borrower of Two Million Dollars (\$2,000,000) of the Term Loan Advance on April 1, 2022, (C) the Third Amendment Prepayment, (D) the 2022 Prepayment, and (E) the Fall 2022 Prepayment; and

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(b) Final Payment. The Final Payment, when due hereunder; provided that Bank hereby agrees to defer payment of that portion of the Final Payment that would otherwise be due and owing to Bank in connection with the prepayment by Borrower of Twenty Million Dollars (\$20,000,000) of the Term Loan Advance on or prior to the Second Amendment Effective Date, Two Million Dollars (\$2,000,000) of the Term Loan Advance on April 1, 2022, the Third Amendment Prepayment, the 2022 Prepayment, and the Fall 2022 Prepayment until the earliest to occur of (i) the Term Loan Maturity Date, (ii) the acceleration of the Term Loan Advance, or (iii) the prepayment of the remaining principal balance of the Term Loan Advance pursuant to Section 2.1.1(c)."

**3.3 Section 13 (Definitions).** The following terms and their definition hereby are added in their entirety in Section 13.1 of the Loan Agreement, as follows:

**"Equity Event"** means Borrower has received, after the Fourth Amendment Effective Date, but prior to the earlier of (a) November 30, 2022, or (b) the date on which the sum of Borrower's unrestricted and unencumbered cash held at Bank is less than Ten Million Dollars (\$10,000,000), net cash proceeds into its accounts at Bank in an aggregate amount not less than Five Million Dollars (\$5,000,000) from the sale of Borrower's equity securities and/or the incurrence of Subordinated Debt on terms and from investors acceptable to Bank.

**"Fall 2022 Prepayment Date"** is the earlier of (a) November 30, 2022, or (b) the date on which the sum of Borrower's unrestricted and unencumbered cash held at Bank is less than Ten Million Dollars (\$10,000,000); provided however, if Borrower achieves the Equity Event, the Fall 2022 Prepayment Date shall automatically, with no further action required by the parties hereto, be extended to the earlier of (x) December 15, 2022, or (y) the date on which the sum of Borrower's unrestricted and unencumbered cash held at Bank is less than Ten Million Dollars (\$10,000,000).

**"Fourth Amendment Effective Date"** is September 30, 2022.

**3.4 Section 13 (Definitions).** The following terms and their respective definitions hereby are deleted in their entirety in Section 13.1 of the Loan Agreement as follows:

**"2022 Prepayment Date", "First Equity Event", and "Second Equity Event"**

#### **4. Limitation of Amendments.**

**4.1** The amendments set forth in **Section 3**, above, are effective for the purposes set forth herein and shall be limited precisely as written and shall not be deemed to (a) be a consent to any amendment, waiver or modification of any other term or condition of any Loan Document, or (b) otherwise prejudice any right or remedy which Bank may now have or may have in the future under or in connection with any Loan Document.

**4.2** This Amendment shall be construed in connection with and as part of the Loan Documents and all terms, conditions, representations, warranties, covenants and agreements set forth in the Loan Documents, except as herein amended, are hereby ratified and confirmed and shall remain in full force and effect.

#### **5. Representations and Warranties.** Borrower represents and warrants to Bank as follows:

**5.1** the representations and warranties contained in the Loan Documents are true, accurate

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and complete in all material respects as of the date hereof (except to the extent such representations and warranties relate to an earlier date, in which case they are true and correct in all material respects as of such date), and (b) no Event of Default has occurred and is continuing;

5.2 Borrower has the power and authority to execute and deliver this Amendment and to perform its obligations under the Loan Agreement, as amended by this Amendment;

5.3 The organizational documents of Borrower delivered to Bank on the Effective Date remain true, accurate and complete and have not been amended, supplemented or restated and are and continue to be in full force and effect;

5.4 The execution and delivery by Borrower of this Amendment and the performance by Borrower of its obligations under the Loan Agreement, as amended by this Amendment, have been duly authorized by all necessary action on the part of Borrower;

5.5 The execution and delivery by Borrower of this Amendment and the performance by Borrower of its obligations under the Loan Agreement do not (a) conflict with any of Borrower's organizational documents, (b) contravene, conflict with, constitute a default under or violate any material Requirement of Law, (c) contravene, conflict with or violate any applicable order, writ, judgment, injunction, decree, termination or award of any Governmental Authority which Borrower or any of its Subsidiaries or any of their property or assets may be bound or affected, (d) require any action by, filing, registration, or qualification with, or Governmental Approval from, any Governmental Authority (except (x) such Governmental Approvals which have already been obtained and are in full force and effect (or are being obtained pursuant to Section 6.1(b) of the Loan Agreement) and (y) filings and recordings in respect of the Liens created pursuant to the applicable Loan Documents), or (e) conflict with, contravene constitute a default or breach under, or result in or permit the termination or acceleration of, any material agreement by which Borrower is bound;

5.6 This Amendment has been duly executed and delivered by Borrower and is the binding obligation of Borrower, enforceable against Borrower in accordance with its terms, except as such enforceability may be limited by bankruptcy, insolvency, reorganization, liquidation, moratorium or other similar laws of general application and equitable principles relating to or affecting creditors' rights.

6. **Prior Agreement.** The Loan Documents (as modified hereby) are hereby ratified and reaffirmed and shall remain in full force and effect. This Amendment is not a novation and the terms and conditions of this Amendment shall be in addition to and supplemental to all terms and conditions set forth in the Loan Documents. In the event of any conflict or inconsistency between this Amendment and the terms of such documents, the terms of this Amendment shall be controlling, but such document shall not otherwise be affected or the rights therein impaired.

## 7. **Release by Borrower.**

7.1 FOR GOOD AND VALUABLE CONSIDERATION, Borrower hereby forever relieves, releases, and discharges Bank and its present or former employees, officers, directors, agents, representatives, attorneys, and each of them, from any and all claims, debts, liabilities, demands, obligations, promises, acts, agreements, costs and expenses, actions and causes of action, of every type, kind, nature, description or character whatsoever, whether known or unknown, suspected or unsuspected, absolute or contingent, arising out of or in any manner whatsoever connected with or related to facts, circumstances, issues, controversies or claims existing or arising from the beginning of time through and including the date of execution of this Agreement (collectively "Released Claims") . Without limiting the foregoing, the Released Claims shall include any and all liabilities or claims arising out of or in any manner whatsoever connected with or related to the Loan Documents, the Recitals hereto, any instruments, agreements or documents executed in connection with any of the foregoing or the origination, negotiation,

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administration, servicing and/or enforcement of any of the foregoing.

**7.2** In furtherance of this release, Borrower expressly acknowledges and waives any and all rights under Section 1542 of the California Civil Code, which provides as follows:

“A general release does not extend to claims that the creditor or releasing party does not know or suspect to exist in his or her favor at the time of executing the release and that, if known by him or her, would have materially affected his or her settlement with the debtor or released party.” (Emphasis added.)

**7.3** By entering into this release, Borrower recognizes that no facts or representations are ever absolutely certain and it may hereafter discover facts in addition to or different from those which it presently knows or believes to be true, but that it is the intention of Borrower hereby to fully, finally and forever settle and release all matters, disputes and differences, known or unknown, suspected or unsuspected; accordingly, if Borrower should subsequently discover that any fact that it relied upon in entering into this release was untrue, or that any understanding of the facts was incorrect, Borrower shall not be entitled to set aside this release by reason thereof, regardless of any claim of mistake of fact or law or any other circumstances whatsoever. Borrower acknowledges that it is not relying upon and has not relied upon any representation or statement made by Bank with respect to the facts underlying this release or with regard to any of such party's rights or asserted rights.

**7.4** This release may be pleaded as a full and complete defense and/or as a cross- complaint or counterclaim against any action, suit, or other proceeding that may be instituted, prosecuted or attempted in breach of this release. Borrower acknowledges that the release contained herein constitutes a material inducement to Bank to enter into this Agreement, and that Bank would not have done so but for Bank's expectation that such release is valid and enforceable in all events.

**7.5** Borrower hereby represents and warrants to Bank, and Bank is relying thereon, as follows:

(a) Except as expressly stated in this Agreement, neither Bank nor any agent, employee or representative of Bank has made any statement or representation to Borrower regarding any fact relied upon by Borrower in entering into this Agreement.

(b) Borrower has made such investigation of the facts pertaining to this Agreement and all of the matters appertaining thereto, as it deems necessary.

(c) The terms of this Agreement are contractual and not a mere recital.

(d) This Agreement has been carefully read by Borrower, the contents hereof are known and understood by Borrower, and this Agreement is signed freely, and without duress, by Borrower.

(e) Borrower represents and warrants that it is the sole and lawful owner of all right, title and interest in and to every claim and every other matter which it releases herein, and that it has not heretofore assigned or transferred, or purported to assign or transfer, to any person, firm or entity any claims or other matters herein released. Borrower shall indemnify Bank, defend and hold it harmless from and against all claims based upon or arising in connection with prior assignments or purported assignments or transfers of any claims or matters released herein.

**8. Ratification of Perfection Certificate.** Borrower hereby ratifies, confirms and reaffirms, all and singular, the terms and disclosures contained in a certain Perfection Certificate dated on or prior to the Effective Date and acknowledges, confirms and agrees that the disclosures and information Borrower provided to Bank in such Perfection Certificate have not changed, as of the date hereof.

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**9. Integration.** This Amendment and the Loan Documents represent the entire agreement about this subject matter and supersede prior negotiations or agreements. All prior agreements, understandings, representations, warranties, and negotiations between the parties about the subject matter of this Amendment and the Loan Documents merge into this Amendment and the Loan Documents.

**10. Prior Agreement.** The Loan Documents are hereby ratified and reaffirmed and shall remain in full force and effect. This Amendment is not a novation and the terms and conditions of this Amendment shall be in addition to and supplemental to all terms and conditions set forth in the Loan Documents. In the event of any conflict or inconsistency between this Amendment and the terms of such documents, the terms of this Amendment shall be controlling, but such document shall not otherwise be affected or the rights therein impaired.

**11. Counterparts.** This Amendment may be executed in any number of counterparts and all of such counterparts taken together shall be deemed to constitute one and the same instrument.

**12. Conditions to Effectiveness.** This Amendment shall be deemed effective upon (a) the due execution and delivery to Bank of this Amendment by each party hereto, and (b) payment by Borrower to Bank of (i) Two Million Dollars (\$2,000,000), which Bank shall apply to the outstanding principal balance of the Term Loan Advance, and (ii) all Bank Expenses due and owing as of the date hereof, which, in each case, may be debited from any of Borrower's accounts at Bank.

**13. Miscellaneous.**

**13.1** This Amendment shall constitute a Loan Document under the Loan Agreement; the failure to comply with the covenants contained herein shall constitute an Event of Default under the Loan Agreement; and all obligations included in this Amendment (including, without limitation, all obligations for the payment of principal, interest, fees, and other amounts and expenses) shall constitute obligations under the Loan Agreement and secured by the Collateral.

**13.2** Each provision of this Amendment is severable from every other provision in determining the enforceability of any provision.

**14. Governing Law.** This Amendment and the rights and obligations of the parties hereto shall be governed by and construed in accordance with the laws of the State of California.

[Signature page follows.]

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IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed and delivered as of the date first written above.

BANK:

**SILICON VALLEY BANK**

By: /s/ KRISTINE ROHMER

Name: Kristine Rohmer

Title: Director

BORROWER:

**BIODESIX, INC.**

By: /s/ ROBIN HARPER COWIE

Name: Robin Harper Cowie

Title: Chief Financial Officer

*[Signature Page to Consent and Fourth Amendment to Loan and Security Agreement]*

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## SECTION 302 CERTIFICATION

I, Scott Hutton, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Biodesix, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 3, 2022

By: /s/ Scott Hutton  
 Scott Hutton  
 Chief Executive Officer

## SECTION 302 CERTIFICATION

I, Robin Harper Cowie, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Biondesix, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 3, 2022

By: /s/ Robin Harper Cowie  
 Robin Harper Cowie  
 Chief Financial Officer

## CERTIFICATION PURSUANT TO

## 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO

## SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Biodesix, Inc. (the "Company") on Form 10-Q for the period ending September 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 3, 2022

By:

\_\_\_\_\_  
/s/ Scott Hutton

\_\_\_\_\_  
Scott Hutton  
Chief Executive Officer

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**CERTIFICATION PURSUANT TO**  
**18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO**  
**SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Biodesix, Inc. (the "Company") on Form 10-Q for the period ending September 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 3, 2022

By:

\_\_\_\_\_  
/s/ Robin Harper Cowie

Robin Harper Cowie  
Chief Financial Officer

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