

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

Biodesix, Inc.

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

09075X108

(CUSIP Number)

05/12/2025

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- ☐ Rule 13d-1(b)
- ☒ Rule 13d-1(c)
- ☐ Rule 13d-1(d)

SCHEDULE 13G

CUSIP No. 09075X108

	Names of Reporting Persons
1	Perceptive Advisors LLC
	Check the appropriate box if a member of a Group (see instructions)
2	☐ (a) ☐ (b)
3	Sec Use Only
	Citizenship or Place of Organization
4	DELAWARE
Number of Shares	5 Sole Voting Power

Beneficially	0.00
Owned by	Shared Voting Power
Each	6
Reporting	7,673,880.00
Person	Sole Dispositive Power
With:	7
	0.00
	Shared Dispositive
	8 Power
	7,673,880.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	7,673,880.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)
	5.1 %
12	Type of Reporting Person (See Instructions)
	IA

SCHEDULE 13G

CUSIP No. 09075X108

1	Names of Reporting Persons
	Joseph Edelman
2	Check the appropriate box if a member of a Group (see instructions)
	☐ (a)
	☐ (b)
3	Sec Use Only
4	Citizenship or Place of Organization
	UNITED STATES
	Sole Voting Power
5	0.00
Number of	Shared Voting Power
Shares	6
Beneficially	7,673,880.00
Owned by	Sole Dispositive Power
Each	7
Reporting	0.00
Person	Shared Dispositive
With:	8 Power
	7,673,880.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	7,673,880.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)

5.1 %
Type of Reporting Person (See Instructions)

12
IN

SCHEDULE 13G

CUSIP No. 09075X108

Names of Reporting Persons

Perceptive Credit Advisors LLC
Check the appropriate box if a member of a Group (see instructions)

☐ (a)
☐ (b)

Sec Use Only
Citizenship or Place of Organization

DELAWARE

Sole Voting Power

5
0.00

Shared Voting Power

6
7,673,880.00

Sole Dispositive Power

7
0.00

Shared Dispositive
Power

8
7,673,880.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9
7,673,880.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

☐

Percent of class represented by amount in row (9)

11
5.1 %

Type of Reporting Person (See Instructions)

12
CO

SCHEDULE 13G

CUSIP No. 09075X108

Names of Reporting Persons

PCOF EQ AIV IV, LP

Check the appropriate box if a member of a Group (see instructions)

☐ (a)
☐ (b)

3 Sec Use Only
Citizenship or Place of Organization

4 DELAWARE

Sole Voting Power

5 0.00

Number of Shares Beneficially Owned by Each Reporting Person With: Shared Voting Power

6 1,137,320.00

Sole Dispositive Power

7 0.00

Shared Dispositive Power

8 1,137,320.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9 1,137,320.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

☐

Percent of class represented by amount in row (9)

11 0.8 %

Type of Reporting Person (See Instructions)

12 PN

SCHEDULE 13G

CUSIP No. 09075X108

Names of Reporting Persons

1 Perceptive Credit Holdings IV, LP

Check the appropriate box if a member of a Group (see instructions)

☐ (a)
☐ (b)

3 Sec Use Only

Citizenship or Place of Organization

4 DELAWARE

Sole Voting Power

5 0.00

Number of Shares Beneficially Owned by Each Reporting Person With: Shared Voting Power

6 6,536,560.00

Sole Dispositive Power

7 0.00

8 Shared Dispositive Power

6,536,560.00

Aggregate Amount Beneficially Owned by Each Reporting Person

6,536,560.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)



Percent of class represented by amount in row (9)

4.3 %

Type of Reporting Person (See Instructions)

PN

SCHEDULE 13G

Item 1.

Name of issuer:

(a)

Biodesix, Inc.

Address of issuer's principal executive offices:

(b)

919 West Dillon Road, Louisville, CO 80027

Item 2.

Name of person filing:

(a)

The names of the persons filing this report (collectively, the "Reporting Persons") with respect to shares of Common Stock, par value \$0.001 par value per share (the "Common Stock") of Biodesix, Inc. (the "Issuer") are: Perceptive Advisors LLC ("Perceptive Advisors") Joseph Edelman ("Mr. Edelman") Perceptive Credit Advisors LLC ("Perceptive Credit") PCOF EQ AIV IV, LP (the "Opportunity Fund") Perceptive Credit Holdings IV, LP (the "Credit Fund")

Address or principal business office or, if none, residence:

(b)

The address of the principal business office of each of the Reporting Persons is: 51 Astor Place, 10th Floor, New York, NY 10003

Citizenship:

(c)

Perceptive Advisors is a Delaware limited liability company. Mr. Edelman is a United States citizen. Perceptive Credit is a Delaware limited liability company. The Opportunity Fund is a Delaware limited partnership. The Credit Fund is a Delaware limited partnership.

Title of class of securities:

(d)

Common Stock, par value \$0.001 per share

CUSIP No.:

(e)

09075X108

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a)

☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b)

☐ Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c)

☐ Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d)

☐ Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e)

☐ An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);

(f)

☐ An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);

(g)

☐ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);

(h)

☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

(i)

☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);

(j)

☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J),

please specify the type of institution:

- (k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

Amount beneficially owned:

The information required by this item with respect to each Reporting Person is set forth in Rows 5 through 9 of the cover pages to this Schedule 13G. The ownership percentages reported are based on 146,563,031 shares of Common Stock outstanding as of May 7, 2025, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on May 13, 2025 and give effect to the exercise of the Warrants (as defined below). The Credit Fund directly holds (i) 1,036,560 shares of Common Stock and (ii) 5,500,000 warrants to purchase shares of Common Stock (the "Warrants"), consisting of (a) 5,000,000 warrants that are currently exercisable at an exercise price of \$1.0648 per share and (b) 500,000 warrants that are currently exercisable at an exercise price of \$1.6254 per share. The Opportunity Fund directly holds 1,137,320 shares of Common Stock. The Warrants may not be exercised if the Reporting Persons would beneficially own more than 9.99% of the Issuer's outstanding shares of Common Stock after giving effect to such exercise. Accordingly, the Credit Fund and Opportunity Fund could currently exercise all of their Warrants. Perceptive Credit serves as the investment manager to each of the Credit Fund and Opportunity Fund and as relying advisor under Perceptive Advisors. Perceptive Credit Opportunities GP, LLC serves as the general partner of the Credit Fund. PCOF EQ AIV GP, LLC serves as the general partner of the Opportunity Fund. Mr. Edelman is the managing member of Perceptive Advisors. Each of Perceptive Advisors, Perceptive Credit and Mr. Edelman may be deemed to beneficially own the securities of the Issuer held by the Credit Fund and the Opportunity Fund.

Percent of class:

- (b) Perceptive Advisors: 5.1% Mr. Edelman: 5.1% Perceptive Credit: 5.1% The Opportunity Fund: 0.8% The Credit Fund: 4.3 %

- (c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

Perceptive Advisors: 0 Mr. Edelman: 0 Perceptive Credit: 0 The Opportunity Fund: 0 The Credit Fund: 0

(ii) Shared power to vote or to direct the vote:

Perceptive Advisors: 7,673,880 Mr. Edelman: 7,673,880 Perceptive Credit: 7,673,880 The Opportunity Fund: 1,137,320 The Credit Fund: 6,536,560

(iii) Sole power to dispose or to direct the disposition of:

Perceptive Advisors: 0 Mr. Edelman: 0 Perceptive Credit: 0 The Opportunity Fund: 0 The Credit Fund: 0

(iv) Shared power to dispose or to direct the disposition of:

Perceptive Advisors: 7,673,880 Mr. Edelman: 7,673,880 Perceptive Credit: 7,673,880 The Opportunity Fund: 1,137,320 The Credit Fund: 6,536,560

Item 5. Ownership of 5 Percent or Less of a Class.

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Perceptive Advisors LLC

Signature: /s/ Joseph Edelman

Name/Title: Joseph Edelman, Managing Member

Date: 05/15/2025

Joseph Edelman

Signature: /s/ Joseph Edelman

Name/Title: Joseph Edelman

Date: 05/15/2025

Perceptive Credit Advisors LLC

Signature: /s/ Joseph Edelman

Name/Title: Joseph Edelman, Managing Member

Date: 05/15/2025

PCOF EQ AIV IV, LP

Signature: /s/ Joseph Edelman

Name/Title: Joseph Edelman, Managing Member

Date: 05/15/2025

Perceptive Credit Holdings IV, LP

Signature: /s/ Joseph Edelman

Name/Title: Joseph Edelman, Managing Member

Date: 05/15/2025