# Xenetic Biosciences, Inc.

**XBIO**

Nasdaq; healthcare; SIC 2834, Pharmaceutical Preparations; CIK 0001534525

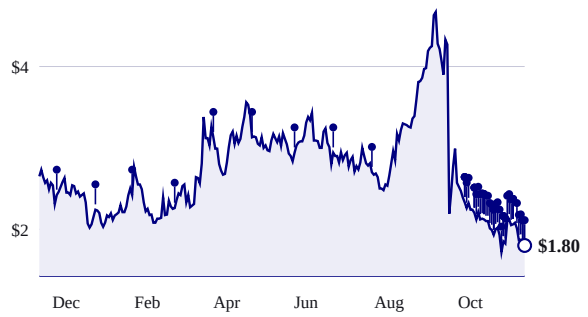
# None

**No letter**

5 of 14 inputs computable; 7 are required, with a score in every sleeve

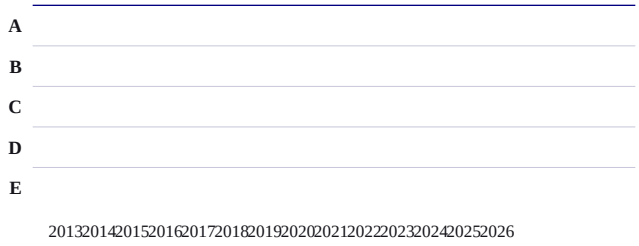
| Scoreboard | |
|---|---|
| **Reliability** | 0.76 AUC<br>filers with under $12.5M assets; 95% interval 0.65 to 0.86; 63 events, 2020 to 2025 |
| **Peer failure rate** | 0.60% a year<br>Item 1.03 bankruptcies, same asset band, 2012 to 2025 |
| **Size band** | under $12.5M assets<br>total assets $8.4M |
| **Standard universe** | outside<br>revenue above $1M and assets above $10M |
| **Warnings** | thin data<br>not computable: dilution, short runway, distress, fortress balance sheet |
| **Inputs computable** | 5 of 14 |
| **Graded from** | filings received through Apr 24, 2026<br>201 days before the rescan; latest periodic filing 10-Q received Aug 6, 2026 |
| **Last close** | $1.80<br>2026-11-10; market equity $4.2M; no price enters the letter |

**Share price, twelve months to the rescan**




*Split-adjusted close. Each lollipop is a rescan and carries the letter held then.*

**Letter at every rescan, 2012 to 2026**




*Sector percentile at each rescan, stronger toward the top; facts filed by each date only.*

## Business, in the company's words

*opening of Item 1 of the 10-K received Mar 12, 2026*

innovative immuno-oncology technologies addressing difficult to treat cancers. Our proprietary DNase technology is designed to improve outcomes of existing treatments, including immunotherapies, by targeting neutrophil extracellular traps ("NETs"), which are involved in cancer growth, metastasis and progression, and contribute to immunotherapy, chemotherapy and radiotherapy resistance. are weblike structures composed of extracellular chromatin coated with histones and other proteins. NETs are expelled by activated neutrophils in response to microbial or pro-inflammatory challenges.

## The fourteen inputs

*lower percentile is stronger; sleeves and inputs within a sleeve carry equal weight*

| Input | Value | Peer median | Percentile, 0 to 100 | Pct | Peers | Period end |
|---|---|---|---|---|---|---|
| **Profitability, sleeve percentile 60.8** | | | | | | |
| Gross profitability | not computable | 32.3% | | | | |
| *latest aligned inputs end 2014-12-31; latest annual assets end 2025-12-31* | | | | | | |
| Return on invested capital | not computable | 9.3% | | | | |

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| | | | | | |
|---|---|---|---|---|---|
| *one or more required annual facts are missing* | | | | | |
| Accruals ratio | (5.2%) | (6.6%) | 60.8 | 800 | 2025-12-31 |
| Gross margin stability, five years | not computable | 2.8 pts | | | |
| *five annual gross margins are required; found 2* | | | | | |
| **Solvency, sleeve percentile 56.5** | | | | | |
| Twelve-month failure probability | not computable | 0.08% | | | |
| *latest liabilities, cash plus short-term investments, book equity, and shares are required* | | | | | |
| Altman Z double-prime | (66.61) | (0.35) | 91.5 | 745 | 2025-12-31 |
| Net debt to EBITDA | not computable | 1.82x | | | |
| *one or more required annual facts are missing* | | | | | |
| Interest coverage | not computable | (4.51x) | | | |
| *interest expense must exceed $100,000* | | | | | |
| Current ratio | 8.32x | 2.95x | 21.5 | 826 | 2025-12-31 |
| **Growth and financing, sleeve percentile 55.5** | | | | | |
| Revenue growth, three-year compound | 20.4% | 10.1% | 31.4 | 412 | 2025-12-31 |
| Free cash flow growth, three-year compound | not computable | 11.0% | | | |
| *current FCF must be positive and base FCF must exceed $100,000* | | | | | |
| Reinvestment rate | not computable | 37.1% | | | |
| *NOPAT must exceed $100,000* | | | | | |
| Asset growth, three years | (17.2%) | 2.2% | 79.7 | 694 | 2025-12-31 |
| Net share issuance, one year | not computable | 2.5% | | | |
| *prior share count is 42 days earlier* | | | | | |

## Warnings

*1 of 7 checks triggered; none of them enters the letter*

| Check | Measured |
|---|---|
| Thin data | 5 of 14 grade factors are computable; minimum is 7 |

## What the price implies

*at the 2026-11-10 close; none of these enters the grade*

| Measure | Value | Peer median | Percentile |
|---|---|---|---|
| Twelve-month price change, skipping the latest month | (30.5%) | (1.9%) | 29 |
| Distance from 52-week high | (61.5%) | (28.5%) | 20 |
| EBIT to enterprise value | not computable | (1.6%) | |
| Free cash flow yield | (153.3%) | (1.0%) | 5 |
| Book value to price | 1.44 | 0.27 | 92 |
| Sales to price | 0.71 | 0.29 | 76 |
| Composite equity issuance, five years | 98.5% | 20.8% | 76 |
| Relative strength against the sector, log excess return | (0.53) | (0.19) | 29 |

## Diagnostics

*shown on every report; none enters the grade*

| Measure | Value |
|---|---|
| **Piotroski F-score None of 9, period end 2025-12-31** | |
| Return on assets above zero | fail |
| Operating cash flow above zero | fail |
| Return on assets improved | fail |
| Operating cash flow exceeds net income | pass |
| Long-term leverage fell | fail |
| Current ratio improved | pass |
| No new shares issued | fail |
| Gross margin improved | fail |

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| | |
|---|---|
| Asset turnover improved | pass |

**Cash, filings, liquidity**

| | |
|---|---|
| Cash and equivalents | n/a |
| Operating cash flow, four quarters | n/a |
| Months of runway | not finite |
| Days since last periodic filing | 97 (10-Q received Aug 6, 2026) |
| Median daily dollar volume, 63 sessions | $70,920 |

## Sources

*every fact behind the inputs; each row links to its filing index on sec.gov*

| # | Concept | XBRL tag | Value | Period end | Received | Form | Accession |
|---|---|---|---|---|---|---|---|
| 1 | gross profit | us-gaap:GrossProfit | $0 | 2014-12-31 | 2015-04-15 | 10-K | 15-001465 |
| 2 | assets | us-gaap:Assets | $16.3M | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 3 | net income | us-gaap:NetIncomeLoss | -$2.7M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 4 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | -$2.3M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 5 | assets | us-gaap:Assets | $8.4M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 6 | assets | us-gaap:Assets | $6.9M | 2024-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 7 | current assets | us-gaap:AssetsCurrent | $8.0M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 8 | current liabilities | us-gaap:LiabilitiesCurrent | $968,025 | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 9 | retained earnings | us-gaap:RetainedEarningsAccumulatedDeficit | -$199.9M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 10 | operating income | us-gaap:OperatingIncomeLoss | -$2.8M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 11 | book equity | us-gaap:StockholdersEquity | $7.4M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 12 | liabilities | us-gaap:Liabilities | $968,025 | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 13 | operating income | us-gaap:OperatingIncomeLoss | -$3.6M | 2017-12-31 | 2019-03-29 | 10-K | 19-000840 |
| 14 | interest expense | us-gaap:InterestExpense | $1,818 | 2017-12-31 | 2018-03-30 | 10-K | 18-000831 |
| 15 | revenue | us-gaap:Revenues | $3.0M | 2025-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 16 | revenue | us-gaap:Revenues | $2.5M | 2024-12-31 | 2026-03-12 | 10-K | 26-001737 |
| 17 | revenue | us-gaap:Revenues | $2.5M | 2023-12-31 | 2025-03-18 | 10-K | 25-001686 |
| 18 | revenue | us-gaap:Revenues | $1.7M | 2022-12-31 | 2024-03-21 | 10-K | 24-001594 |
| 19 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | -$6.5M | 2018-12-31 | 2020-03-26 | 10-K | 20-000967 |
| 20 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $0 | 2018-12-31 | 2019-03-29 | 10-K | 19-000840 |
| 21 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | $1.5M | 2017-12-31 | 2019-03-29 | 10-K | 19-000840 |
| 22 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $9,264 | 2017-12-31 | 2019-03-29 | 10-K | 19-000840 |
| 23 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivitiesC... | -$8.8M | 2016-12-31 | 2017-03-31 | 10-K | 17-000749 |
| 24 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $16,793 | 2016-12-31 | 2018-03-30 | 10-K | 18-000831 |
| 25 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivitiesC... | -$5.3M | 2015-12-31 | 2017-03-31 | 10-K | 17-000749 |
| 26 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $1,663 | 2015-12-31 | 2017-03-31 | 10-K | 17-000749 |
| 27 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $57,669 | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 28 | depreciation amortization | us-gaap:Depreciation | $83,863 | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 29 | operating income | us-gaap:OperatingIncomeLoss | -$12.9M | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 30 | pretax income | us-gaap:IncomeLossFromContinuingOperationsBeforeInc... | -$14.3M | 2014-12-31 | 2015-04-15 | 10-K | 15-001465 |
| 31 | income tax | us-gaap:IncomeTaxExpenseBenefit | $0 | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 32 | current assets | us-gaap:AssetsCurrent | $2.8M | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 33 | current liabilities | us-gaap:LiabilitiesCurrent | $2.7M | 2014-12-31 | 2016-03-30 | 10-K | 16-005662 |
| 34 | current assets | us-gaap:AssetsCurrent | $5.3M | 2013-12-31 | 2015-07-20 | 10-K | 15-002805 |
| 35 | current liabilities | us-gaap:LiabilitiesCurrent | $3.6M | 2013-12-31 | 2015-07-20 | 10-K | 15-002805 |
| 36 | assets | us-gaap:Assets | $10.6M | 2023-12-31 | 2025-03-18 | 10-K | 25-001686 |
| 37 | assets | us-gaap:Assets | $14.7M | 2022-12-31 | 2024-03-21 | 10-K | 24-001594 |
| 38 | shares outstanding | dei:EntityCommonStockSharesOutstanding | 2,291,056 | 2026-04-17 | 2026-04-24 | 10-K/A | 26-003207 |
| 39 | shares outstanding | dei:EntityCommonStockSharesOutstanding | 2,291,056 | 2026-03-06 | 2026-03-12 | 10-K | 26-001737 |

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