

Enabling discovery, safety and production of tomorrow's therapeutics

NASDAQ: HBIO HBIO Investor Overview

Jim Green, Chairman, President & CEO Jennifer Cote, CFO & Treasurer June 12, 2024

Forward-Looking Statements and Non-GAAP Financial Information

Forward-Looking Statements

This document contains forward-looking statements within the meaning of the federal securities laws, including the Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by the use of words such as "may," "will," "expect," "plan," "anticipate," "estimate," "intend" and similar expressions or statements that do not relate to historical matters. Forward-looking statements include, but are not limited to, information concerning expected future financial and operational performance including revenues, gross margins, earnings, cash and debt position, growth and the introduction of new products, and the strength of the Company's market position and business model. Forward-looking statements are not guarantees of future performance and involve known and unknown uncertainties, risks, assumptions, and contingencies, many of which are outside the Company's control. Risks and other factors that could cause the Company's actual results to differ materially from those described its forward-looking statements include those described in the "Risk Factors" section of the Company's most recently filed Annual Report on Form 10-K as well as in the Company's other filings with the Securities and Exchange Commission. Forward-looking statements are based on the Company's expectations and assumptions as of the date of this document. Except as required by law, the Company assumes no obligation to update forward-looking statements to reflect any change in expectations, even as new information becomes available.

Use of Non-GAAP Financial Information

This document includes non-GAAP financial information including one or more of adjusted operating income (loss), adjusted operating margin, adjusted net income (loss), adjusted EBITDA, adjusted EBITDA margin, adjusted diluted earnings (loss) per share, foreign exchange adjusted revenue, and net debt. We believe that this non-GAAP financial information provides investors with an enhanced understanding of the underlying operations of the business. For the periods presented, these non-GAAP financial measures have excluded certain expenses and income resulting from items that we do not believe are representative of the underlying operations of the business. Items excluded include stock-based compensation, amortization of intangibles related to acquisitions, other operating expenses, loss on equity securities, income taxes and the tax impact of the reconciling items. Management believes that this non-GAAP financial information is important in comparing current results with prior period results and is useful to investors and financial analysts in assessing the Company's operating performance. Non-GAAP historical financial statement information included herein is accompanied by a reconciliation to the nearest corresponding GAAP measure which is included as exhibits below.

With respect to non-GAAP forward-looking measures, we provide an outlook for adjusted EBITDA margin. Many of the items that we exclude from this forward-looking measure calculation are less capable of being controlled or reliably predicted by management. These items could cause the forward-looking measures presented in our outlook statements to vary materially from our GAAP results.

The non-GAAP financial information provided in this presentation should be considered in addition to, not as a substitute for, the financial information provided and presented in accordance with GAAP and may be different than other companies' non-GAAP financial information.



Trusted provider of advanced life science tools to the leading academic research institutions, contract research organizations, pharmaceutical and bio-tech companies



CELLULAR & MOLECULAR

Leading provider of technologies and tools necessary for research, discovery and creation of tomorrow's breakthrough drugs, vaccines and therapies

PRE-CLINICAL SYSTEMS

Market leading provider of the recognized gold standard for data acquisition, processing, and regulatory report generation for safety pharmacology and toxicology testing



Global sales footprint, 3 core manufacturing facilities Approx. 390 employees, 33 PhD, 54 Masters, 77 Bachelors

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2023 Revenues: \$112.3M

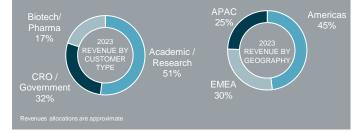
NASDAQ: HBIO

• FY'23 Adj. EBITDA: \$14.6M (13% of rev), up 34% vs PY*

COMPANY PROFILE

- 35%+ recurring revenues
- Headquarters: Greater Boston, MA

BALANCED PORTFOLIO



Non-GAAP measure; see reconciliation to GAAP financial measures in Appendix.

Harvard Bioscience Highlights

Long standing relationships with blue-chip customers

Direct sales force complemented by distributors for global reach

Trusted reputation with limited competitors and high switching costs

Strong established brands

Disciplined capital allocation balancing growth and financial performance

Long term target: Double digit revenue growth, 60% gross margin, 20% EBITDA

Essential natural growth end markets

High touch sales approach with elite applications & data scientists

High barrier innovative technologies

Expand into high volume applications

Focus on commercial expansion of addressable markets

Targeted growth strategy

DIVERSIFIED CUSTOMER / REVENUE MODEL

Systems & Software



Consumables

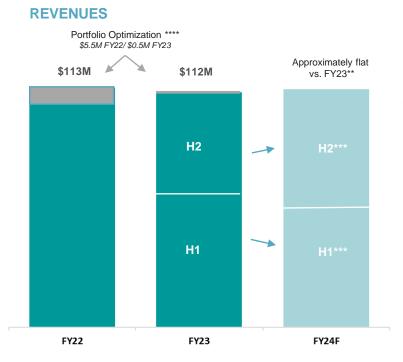


Services

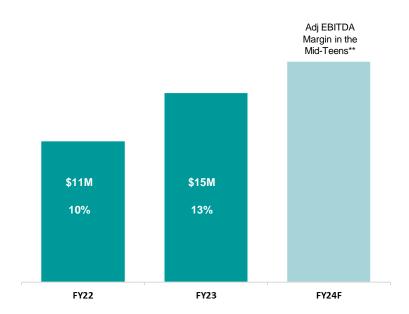


Sales and Earnings Trends

Expect weakness in H1 2024 vs a strong 2023 comparison; H2 2024 growth vs both H1 2024 and H2 2023**



ADJUSTED EBITDA & EBITDA MARGIN*



* Non-GAAP measure; see reconciliations to GAAP financial measures in Appendix.

** 2024 Guidance as discussed in Q1 earnings release on May 7, 2024. This presentation is not a reaffirmation of guidance.

*** 2024 H1/H2 is approximate for illustrative purposes.

**** 2022 Revenue includes \$5.5 million in sales of discontinued products; 2023 Revenue includes \$0.5 million in sales of discontinued products; net difference is \$5.0 million

Today's Global Footprint



Essential Technologies Serving Well-funded, High-growth Secular Markets with Demographic Tailwinds

DRIVERS

Rising incidence of disease –

cardiac, cancer, respiratory, diabetes, obesity, Alzheimer's, neurological, infectious Increased funding for research and development of advanced therapeutics

Increased demand for research tools, devices and systems that improve efficiency & productivity and enable therapeutics discovery and safety & regulatory through bio-production



1) https://www.researchandmarkets.com/reports/5553406/pharmaceuticals-global-market-report-2022-by

2) https://www.acumenresearchandconsulting.com/biotechnology-market

https://www.emergenresearch.com/request-sample/1221

https://ncses.nsf.gov/pubs/nsf22323

5) https://www.grandviewresearch.com/industry-analysis/preclinical-cro-market

*Internal estimates calculated based on publicly-available data.

Blue Chip Customer Base



HB

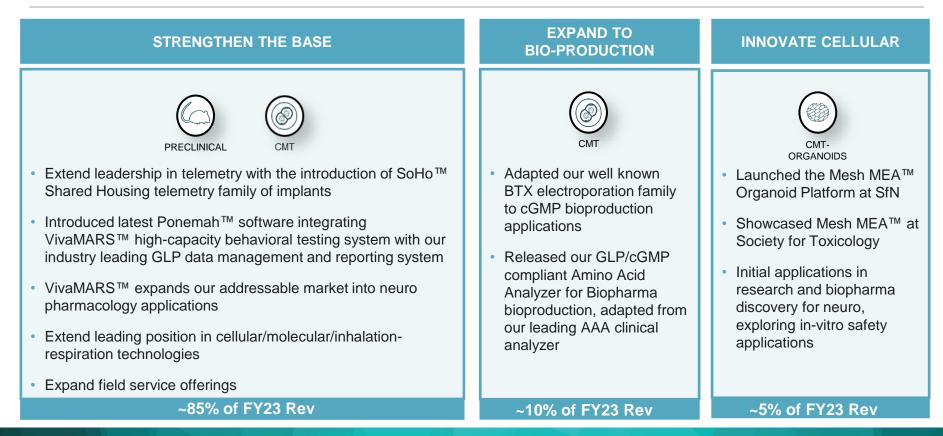
Extend Technology Leadership in Academic Research & Discovery



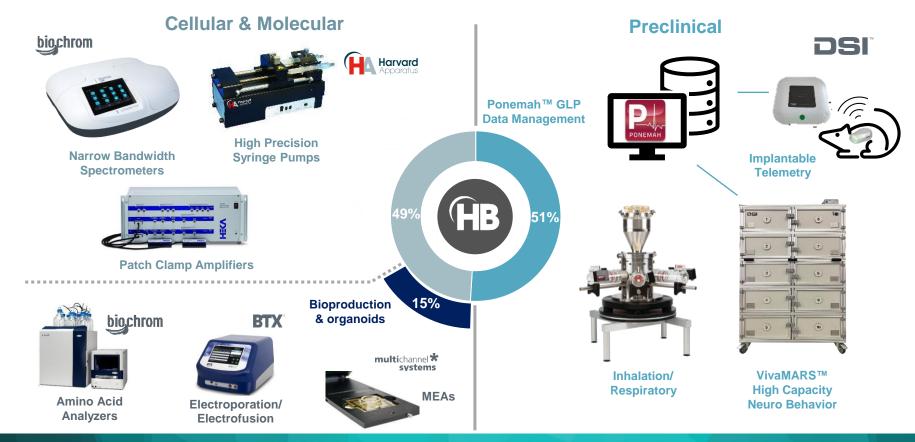
Adapt Technologies to High Volume Applications in Biopharma and CRO's

New Product Introductions: Focused on Commercialization

Base business targets above-market growth, drive high growth opportunities in bio-production and cellular organoid applications



Maintain Industry Leadership, Expand Bioproduction & Innovate in Organoids



Expand to Bio-Production: BTX Electroporation as a Bridge to Bio-Production

HBIO IS A PIONEER IN ELECTROPORATION AND ELECTROFUSION DRIVING NOVEL DISCOVERIES IN DRUG CREATION



Bio-Production Applications and Configuration

- Used for today's most challenging cell modifications, CAR T-Cell transfection, monoclonal antibodies, Cell and Gene Therapy (CGT), CRISPR
- Ideal for bioproduction when Biotech or Pharma customers utilize our system to create the original compound
- · Low barrier transition to production, faster time to market and reduced cost



Amino Acid Analyzer (AAA)

- High precision amino acids/protein analysis
- For biologic therapies that rely on precise amino acid content
- Enables on site bioproduction testing of buffers and solutions to improve production cycle time

Innovate: Mesh MEA[™] Organoid Platform, Built on our Leading MEA Technology

MOVING TO HUMAN & PATIENT DERIVED LONG-LIFE ORGANOIDS FOR EARLY IN VITRO TESTING





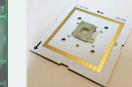


Individual Cell Electrophysiology



Organ on chip

Mesh



Biochip

In-Vitro Electrophysiology Organoid Analysis - Enabling longitudinal organoid studies

First to market!

- Neuro and cardiac applications
- Reduce test cycle time, increase vield





Investment Thesis: Deliver Strong, Profitable, Long-Term Growth

NEW PRODUCT INTRODUCTIONS FOCUSED ON TOP-LINE GROWTH & RECURRING REVENUES

LARGE, LOYAL CUSTOMER BASE IN DRUG RESEARCH & DISCOVERY, SAFETY & REGULATORY, AND BIO-PRODUCTION MARKETS

FOCUSED ON LONG TERM DOUBLE DIGIT TOPLINE GROWTH, 60% GROSS MARGIN & 20%+ ADJUSTED EBITDA MARGIN



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Thank You

Appendix

Reconciliation of GAAP to Non-GAAP Financial Measures

(in thousands)					
-	Yea	Year Ended		Year Ended	
	31-	31-Dec-22		31-Dec-23	
GAAP net loss	\$	(9,516)	\$	(3,415)	
Stock-based compensation		4,411		5,000	
Acquired asset amortization and impairment		6,236		5,561	
Settlement, restructuring, & other		5,603		253	
Unrealized loss on equity securities		-		632	
Income taxes		(1,689)		(1,604)	
Adjusted net income		5,045		6,427	
Depreciation		1,338		1,440	
Interest and other expense, net		2,426		4,221	
Adjusted income taxes ⁽¹⁾		2,026		2,463	
Adjusted EBITDA	\$	10,835	\$	14,551	
-					
Revenues	\$	113,335	\$	112,250	
Adjusted EBITDA margin ^{⁽²⁾}		10%		13%	

(1) Adjusted income taxes includes the tax effect of adjusting for the reconciling items using the tax rates in the jurisdictions in which the reconciling items arise.

⁽²⁾Adjusted EBITDA margin % is calculated as Adjusted EBITDA / Revenue.