

PepGen Inc

FDA grants PGN-EDODM1 program Fast Track Designation for DM1; Maintain Buy

Maintain Rating: BUY | PO: 21.00 USD | Price: 13.89 USD

Initial phase 1 DM1 data expected in 2024

PepGen (ticker: PEPG) announced the FDA granted PGN-EDODM1 for myotonic dystrophy 1 (DM1) Fast Track Designation. Recall, the FDA previously granted the program Orphan Drug Designation in September 2023. We are encouraged by the FDA's understanding of the high unmet need associated with DM1 given no approved disease modifying therapies. We note the regulatory designations will allow PEPG to have earlier and more frequent interactions with the FDA for a more streamlined development process, which could lead to earlier drug approval. The company reported the first patient in the phase 1 FREEDOM-DM1 trial evaluating PGN-EDODM1 in DM1 was diagnosed in December with initial data expected in 2024 (see our December 18th note). The trial will enroll ~24 adult DM1 patients and will provide an early look at safety, missplicing correction, oligonucleotide muscle concentration and clinical outcomes at day 28 and later. We continued to be encouraged by PEPG's DM1 program given its differentiated mechanism of action aiming to liberate MBNL1 (Musclebind Like Splicing Regulator 1) instead of knocking down the protein. We await clinical validation before assigning standalone value for the program and currently include PGN-EDODM1 as part of our \$500mn pipeline value. We maintain our Buy with \$21 PO.

Estimates (Dec) (US\$)	2021A	2022A	2023E	2024E	2025E
EPS	(30.27)	(4.44)	(3.70)	(3.50)	(3.31)
EPS Change (YoY)	-545.4%	85.3%	16.7%	5.4%	5.4%
Consensus EPS (Bloomberg)			(3.50)	(3.66)	(3.53)
DPS	0	0	0	0	0
Valuation (Dec)					
Free Cash Flow Yield*	-7.0%	-20.5%	-26.6%	-31.8%	-36.4%
* For full definitions of <i>iQmethod</i> sm measures, see page 4.					

20 February 2024

Equity

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Stock Data

Price 13.89 USD Price Objective 21.00 USD Date Established 13-Nov-2023 Investment Opinion C-1-9 52-Week Range 3.72 USD - 20.00 USD Mrkt Val (mn) / Shares Out 331 USD / 23.8 Free Float 36.6% Average Daily Value (mn) 2.21 USD BofA Ticker / Exchange PEPG / NAS Bloomberg / Reuters PEPG US / PEPG.OO ROE (2023E) -73 1% Net Dbt to Eqty (Dec-2022A) -99 6% ESGMeter™ NI A

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to "BofA ESGMeter Methodology".

FDA: Food and Drug Administration

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Refer to important disclosures on page 5 to 7. Analyst Certification on page 3. Price
Objective Basis/Risk on page 3.

Timestamp: 20 February 2024 09:34AM EST

iQprofile[™] PepGen Inc

Q method SM − Bus Performance*					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Return on Capital Employed	-34.1%	-39.3%	-65.7%	-130.9%	-198.5%
Return on Equity	-38.2%	-46.2%	-73.1%	-145.7%	-221.2%
Operating Margin	NA	NA	NA	NA	N/
Free Cash Flow	(23)	(68)	(88)	(105)	(120
Q method [™] – Quality of Earnings*					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash Realization Ratio	NM	NM	NM	NM	NN
Asset Replacement Ratio	2.8x	3.1x	3.3x	3.6x	4.0
Tax Rate	NM	NM	NM	NM	NN
Net Debt-to-Equity Ratio	-99.9%	-99.6%	-98.7%	-97.6%	-94.3%
Interest Cover	NA	NA	NA	NA	N/
ncome Statement Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Sales	0	0	0	0	(
% Change	NA	NA	NA	NA	N/
Gross Profit	0	0	0	0	(
% Change	NA	NA	NA	NA	N/
EBITDA	(27)	(68)	(92)	(110)	(125
% Change	NM	-152.9%	-35.5%	-19.1%	-14.2%
Net Interest & Other Income	0	3	3	3	3
Net Income (Adjusted)	(27)	(69)	(90)	(107)	(123
% Change	-569.1%	-153.3%	-29.6%	-19.7%	-14.5%
Free Cash Flow Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
(US\$ Millions) Net Income from Cont Operations (GAAP)	(27)	(69)	(90)	(107)	(123)
(US\$ Millions) Net Income from Cont Operations (GAAP) Depreciation & Amortization	(27)	(69) 0	(90) 0	(107) 0	(123 (
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital	(27) 0 3	(69) 0 0	(90) 0 0	(107) 0 0	(123 (
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge	(27) 0 3 NA	(69) 0 0 NA	(90) 0 0 NA	(107) 0 0 NA	(123 ((NA
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net	(27) 0 3 NA 2	(69) 0 0 NA 2	(90) 0 0 NA 2	(107) 0 0 NA 3	(123) ((NA 3
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure	(27) 0 3 NA 2 (1)	(69) 0 0 NA 2 (1)	(90) 0 0 NA 2 (1)	(107) 0 0 NA 3 (1)	(123 ((NA 3 (1
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow	(27) 0 3 NA 2 (1)	(69) 0 0 NA 2 (1)	(90) 0 0 NA 2 (1)	(107) 0 0 NA 3 (1)	(123 ((NA 3 (1 -120
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change	(27) 0 3 NA 2 (1) -23	(69) 0 0 NA 2 (1) -68	(90) 0 0 NA 2 (1) -88 -29.9%	(107) 0 0 NA 3 (1) -105 -19.7%	(123 (NA 3 (1 -120 -14.4%
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change Share / Issue Repurchase	(27) 0 3 NA 2 (1) -23 NM 149	(69) 0 0 NA 2 (1) -68 -192.9%	(90) 0 0 NA 2 (1) -88 -29.9%	(107) 0 0 NA 3 (1) -105 -19.7% 94	(123 () () () (1 -120 -14.4%
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Company Sector

Biotechnology

Company Description

PepGen Inc (PEPG) is a clinical-stage biotechnology company developing a pipeline of enhanced delivery oligonucleotides (EDOs) focusing on neuromuscular and neurologic disorders. Its lead programs target Duchenne muscular dystrophy (DMD) amenable to exon 51 skipping and myotonic dystrophy type 1 (DM1). The company is planning to expand to other DMD subtypes including exon 53, exon 44 and exon 45.

Investment Rationale

We rate PEPG at Buy. We believe its enhanced delivery oligonucleotide (EDO) platform using cell-penetrating peptides to enhance tissue delivery and uptake of therapeutic oligonucleotides has the potential to show improved clinical efficacy over currently approved drugs. Preclinical data is supportive of the superior biodistribution profile showing delivery to key tissues. However, extensive clinical validation is needed and initial data in patients is not expected until 2024.

Stock Data

Average Daily Volume

158,972

Quarterly Earnings Estimates

	2022	2023
Q1	-18.94A	-0.69A
Q2	-1.23A	-0.82A
Q3	-0.79A	-0.98A
04	-0.63A	-1.19E



Price objective basis & risk

PepGen Inc (PEPG)

Our \$21 price objective (PO) is based on a probability-adjusted net present value (NPV) analysis. Our valuation includes PGN-EDO51 in DMD amenable to exon 51 skipping (\$4/share). The remainder of our valuation comes from pipeline and cash. Our discounted cash flow (DCF)-based model goes out to 2040 and assumes a 14% WACC for EDO51 and pipeline expenses and no terminal value.

Upside risks to our PO are 1) positive clinical trial data for lead indications, 2) accelerated approval of lead assets, 3) positive data from unmodeled, early-stage assets, 4) better-than-expected market penetration, and 5) partnerships to accelerate clinical development.

Downside risks to our PO are 1) negative results from clinical trials, 2) unexpected safety signals in clinical trials, 3) failure to obtain regulatory approval for lead assets, 4) failure of EDO51 to differentiate from similar assets in the pipeline, 5) lower-than-expected uptake in target indications.

Analyst Certification

I, Tazeen Ahmad, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - Biotechnology Coverage Cluster

nvestment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	4D Molecular Therapeutics, Inc.	FDMT	FDMT US	Tazeen Ahmad
	Alnylam Pharmaceuticals	ALNY	ALNY US	Tazeen Ahmad
	Amicus Therapeutics	FOLD	FOLD US	Tazeen Ahmad
	Annexon Biosciences	ANNX	ANNX US	Tazeen Ahmad
	Apellis Pharmaceuticals	APLS	APLS US	Tazeen Ahmad
	Argenx SE	ARGX	ARGX US	Tazeen Ahmad
	Arvinas	ARVN	ARVN US	Tazeen Ahmad
	Ascendis Pharma	ASND	ASND US	Tazeen Ahmad
	Biocryst Pharmaceuticals Inc	BCRX	BCRX US	Tazeen Ahmad
	BioNTech	BNTX	BNTX US	Tazeen Ahmad
	Denali Therapeutics	DNLI	DNLI US	Tazeen Ahmad
	Inozyme Pharma, Inc.	INZY	INZY US	Tazeen Ahmad
	Merus	MRUS	MRUS US	Tazeen Ahmad
	Neurocrine Biosciences	NBIX	NBIX US	Tazeen Ahmad
	Ocular Therapeutix	OCUL	OCUL US	Tazeen Ahmad
	PepGen Inc	PEPG	PEPG US	Tazeen Ahmad
	Rhythm Pharmaceuticals	RYTM	RYTM US	Tazeen Ahmad
	Sarepta Therapeutics	SRPT	SRPT US	Tazeen Ahmad
	Ultragenyx Pharmaceuticals	RARE	RARE US	Tazeen Ahmad
IEUTRAL				
	Acadia Pharmaceuticals	ACAD	ACAD US	Tazeen Ahmad
	Incyte Corporation	INCY	INCY US	Tazeen Ahmad
	Prothena Corporation	PRTA	PRTA US	Tazeen Ahmad
	SAGE Therapeutics	SAGE	SAGE US	Tazeen Ahmad



US - Biotechnology Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
UNDERPERFORM				
	Achilles Therapeutics	ACHL	ACHL US	Tazeen Ahmad
	Fate Therapeutics	FATE	FATE US	Tazeen Ahmad
	Fulcrum Therapeutics	FULC	FULC US	Tazeen Ahmad
	Pharvaris	PHVS	PHVS US	Tazeen Ahmad
	PTC Therapeutics	PTCT	PTCT US	Tazeen Ahmad

IQmethod[™] Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) \times (1 - Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill
		Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt - Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt +	Sales
	Other LT Liabilities	
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

Manethod 3³⁴ is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

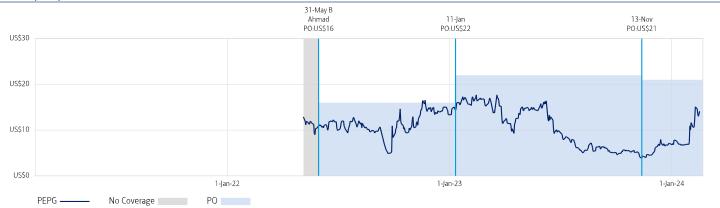
Relatabase is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.



Disclosures

Important Disclosures

PepGen Inc (PEPG) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Health Care Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	234	60.94%	Buy	115	49.15%
Hold	80	20.83%	Hold	36	45.00%
Sell	70	18.23%	Sell	29	41.43%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R2}

Buy	≥ 10%	≤ /0%
Neutral	≥ 0%	≤ 30%
nderperform	N/A	≥ 20%

R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: PepGen Inc.

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