

PepGen Inc

Competitor readthrough reignites investor interest in PEPG; maintain Buy

Maintain Rating: BUY | PO: 21.00 USD | Price: 10.93 USD

Preliminary phase 2 DMD data expected mid-2024

We highlight that PEPG shares have seen a sharp jump, with a >50% daily rise. Given the lack of material news from the company, we believe that the recent positive readouts from DMD exon skipping competitors, Sarepta (Ticker: SRPT) and Dyne Therapeutics (Ticker: DYN), has reignited investor interest in the DMD exon skipping category. Although PEPG is further behind in development (it recently initiated its phase 2 CONNECT1-EDO51 study evaluating PGN-EDO51 in DMD patients), we continue to believe that PEPG's differentiated enhanced delivery oligonucleotide (EDO) platform could offer potential bestin-class efficacy. We note that in healthy volunteers PGN-EDO51 has shown a 1.4% and 2% exon skipping at 10 and 15mg/kg doses, respectively, which is the highest level of exon skipping reported in healthy volunteers. The company has previously commented that it is confident that these results will translate to its DMD patient studies and expects to achieve high-single-digit or low-double-digit dystrophin expression in DMD patients. We highlight that the current bar for dystrophin expression was recently set by SRPT's SRP-5051, which achieved a 5.17% mean dystrophin expression at week 28 in Part B of its phase 2 MOMENTUM study (see our January 29th note). Management guides to reading out phase 2 preliminary exon skipping and dystrophin protein data for the program in mid-2024. We maintain our Buy rating on PEPG with a \$21 PO. We plan to survey KOLs in the coming months to help set expectations for the readout as well as help gain a better understanding of the potential impacts of a broad label expansion for SRPT's gene therapy, Elevidys, on the DMD exon skipping space.

CONNECT1-EDO51 trial design

The phase 2 CONNECT1-EDO51 trial is an open-label, multiple ascending dose trial. CONNECT1 will enroll ~10 DMD patients across 3 dose cohorts (5mg/kg, 10mg/kg, and an undisclosed higher dose) and will assess safety biomarkers, dystrophin expression, and exon skipping levels. The trial will run for 13 weeks, with PGN-EDO51 being dosed intravenously every 4 weeks. Management has previously commented that the CONNECT1 trial was designed to be a smaller and more aggressive proof-of-concept study to help inform the study design for a randomized, double-blind, placebo-controlled phase 2 CONNECT2-EDO51 trial that will hopefully serve as basis for an accelerated or conditional approval. PEPG expects to initiate the CONNECT2 study later in 2024.

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*	-13.4%	-39.2%	-50.9%	-60.9%	-69.7%
* For full definitions of <i>IQ</i> method SM measures, see page 4.					

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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.

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Equity

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Stock Data

Price 7.25 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 173 USD / 23.8 Free Float 36.6% Average Daily Value (mn) 0.37 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".

Abbreviations

DMD: Duchenne muscular dystrophy

kg: kilogram

KOL: key opinion leader

mg: milligram

PO: price objective

iQprofile[™]PepGen Inc

(LIC¢ Millians)	20214	2022A	2023E	20245	20251
(US\$ Millions)	2021A			2024E	
Return on Capital Employed Return on Equity	-34.1% -38.2%	-39.3% -46.2%	-65.7% -73.1%	-130.9%	-198.5% -221.2%
Operating Margin	-38.2% NA	-46.2% NA	-/3.1% NA	-145.7% NA	-221.2% NA
Free Cash Flow	(23)	(68)	(88)	(105)	(120
Tiee Casifflow	(23)	(00)	(00)	(103)	(120)
i Q method [™] – Quality of Earnings*					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash Realization Ratio	NM	NM	NM	NM	NM
Asset Replacement Ratio	2.8x	3.1x	3.3x	3.6x	4.0>
Tax Rate	NM	NM	NM	NM	NM
Net Debt-to-Equity Ratio	-99.9%	-99.6%	-98.7%	-97.6%	-94.3%
Interest Cover	NA	NA	NA	NA	N/
Income 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
Net Income from Cont Operations (GAAP)	(27)	(69)	(90)	(107)	(123
Depreciation & Amortization	0	0	0	0	(
Change in Working Capital	3	0	0	0	(
Deferred Taxation Charge	NA	NA	NA	NA	N/
Other Adjustments, Net	2	2	2	3	3
Capital Expenditure	(1)	(1)	(1)	(1)	(1)
Free Cash Flow	-23	-68	-88	-105	-120
% Change	NM	-192.9%	-29.9%	-19.7%	-14.4%
Share / Issue Repurchase	149	100	0	94	94
Cost of Dividends Paid	0	0	0	0	(
Change in Debt	0	0	0	0	(
Balance Sheet Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash & Equivalents	133	166	78	67	40
Trade Receivables	5	5	6	6	7
Other Current Assets	2	3	3	3	3
Property, Plant & Equipment	1	1	2	2	3
Other Non-Current Assets	3	3	4	4	4
Total Assets	144	178	92	82	58
Short-Term Debt	0	0	0	0	(
Other Current Liabilities	10	11	12	14	15
Long-Term Debt	0	0	0	0	(
Other Non-Current Liabilities	0	0	0	0	(
Total Liabilities	11	12	13	14	15
			70		42
Total Equity Total Equity & Liabilities	133 144	166 178	79 92	68 82	43 58

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

50,631

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

Investment 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
	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
NEUTRAL				
	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
UNDERPERFORM				
	Achilles Therapeutics	ACHL	ACHL US	Tazeen Ahmad



US - Biotechnology Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	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

Pmethod[™] 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
FV / FRITDA	Other LT Liabilities Enterprise Value	Basic FBIT + Depreciation + Amortization
EV / EDITIVA	FILLERDITSE VAIDE	DaSic FDH + DeDIECIAUOH + AHIOHI/dH0H

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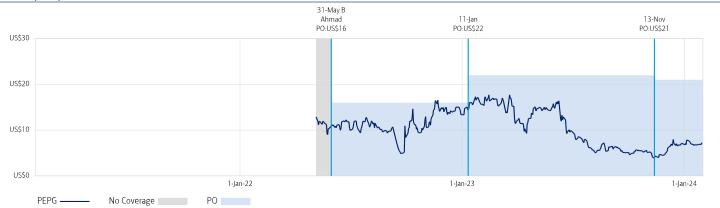
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Important Disclosures

PepGen Inc (PEPG) Price Chart



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

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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%

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

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Inderperform	N/A	≥ 20%

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