

Alnylam Pharma (ALNY)

\$172.95 (As of 06/22/21)

Price Target (6-12 Months): **\$182.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 01/01/21)

Prior Recommendation: Underperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:F

Value: D

Growth: F

Momentum: D

Summary

Alnylam's approved drugs Onpattro and Givlaari have been witnessing strong uptake since their launch. Oxlumo was approved both in the United States and Europe in late 2020, and Leqvio was approved in Europe in December 2020. The approval of these drugs should boost growth prospects. The company is also making good progress with late-stage candidates. Approval of the same will be a big boost for the company. However, the company heavily relies on partnerships for supporting operations, which remains a concern. If any one of the company's partners fails to fund a program or terminates the agreement, Alnylam's prospects would be hampered. Stiff competition in the target market also remains a woe. Shares of the company have outperformed the industry year to date.

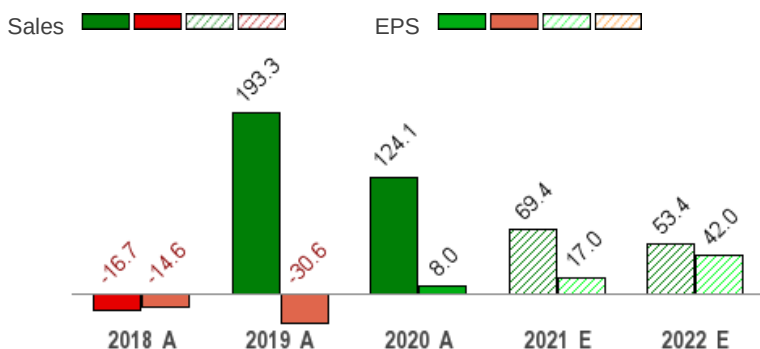
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$178.41 - \$119.29
20-Day Average Volume (Shares)	686,526
Market Cap	\$20.3 B
Year-To-Date Price Change	33.1%
Beta	1.25
Dividend / Dividend Yield	\$0.00 / 0.0%
Industry	Medical - Biomedical and Genetics
Zacks Industry Rank	Bottom 17% (209 out of 252)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	2.3%
Last Sales Surprise	0.4%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	08/05/2021
Earnings ESP	0.0%

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022	240 E	266 E	295 E	345 E	1,281 E
2021	178 A	201 E	220 E	243 E	835 E
2020	99 A	104 A	126 A	164 A	493 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022	-\$1.94 E	-\$1.85 E	-\$1.77 E	-\$1.58 E	-\$3.59 E
2021	-\$1.71 A	-\$1.56 E	-\$1.57 E	-\$1.49 E	-\$6.19 E
2020	-\$1.62 A	-\$1.56 A	-\$2.18 A	-\$2.09 A	-\$7.46 A

*Quarterly figures may not add up to annual.

P/E TTM	NA
P/E F1	NA
PEG F1	NA
P/S TTM	35.6

The data in the charts and tables, including the Zacks Consensus EPS and sales estimates, is as of 06/22/2021. The report's text and the

analyst-provided price target are as of 06/23/2021.

Overview

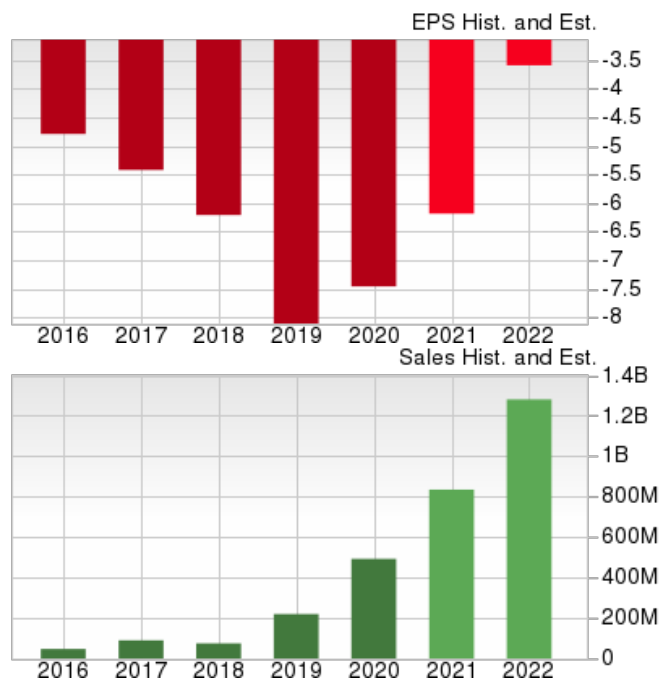
Cambridge, MA-based Alnylam Pharmaceuticals Inc. is a development-stage biopharmaceutical company focused on the development of novel therapeutics based on RNA interference (RNAi). The company's pipeline of experimental RNAi therapeutics is focused across three strategic therapeutic areas (STArS) – genetic medicines, cardio-metabolic disease and hepatic infectious disease.

In August 2018, the company's lead drug-Onpattro (patisiran) received regulatory approvals in the United States and Europe for the treatment of hereditary transthyretin-mediated (hATTR) amyloidosis in adults. Onpattro is the first and only FDA-approved treatment for this indication. In November 2019, the FDA approved Givlaari (givosiran) for acute hepatic porphyria (AHP).

Moreover, the company is evaluating inclisiran for hypercholesterolemia in partnership with The Medicines Company acquired by Novartis. In December 2020, Novartis received marketing authorization for Leqvio (inclisiran) from the European Commission.

Alnylam's expertise in RNAi therapeutics and broad intellectual property estate has allowed the company to enter into collaborations with leading pharmaceutical and life sciences companies including Ionis Pharmaceuticals, Novartis, Roche, Takeda, Merck, Monsanto, The Medicines Company and Sanofi's specialty care global business unit, Genzyme among others.

Alnylam generates revenues from research collaborations, grants, and licensing of the RNAi technology outside its core focus area. The company reported revenues of \$492.9 million in 2020, up 124.3% year over year.



Reasons To Buy:

▲ **Onpattro (patisiran) Approval A Significant Boost:** In August 2018, the FDA approved Onpattro (patisiran) lipid complex injection- a first-of-its-kind RNA interference (RNAi) therapeutic, for the treatment of the polyneuropathy of hereditary transthyretin-mediated (hATTR) amyloidosis in adults. Onpattro is the first and only FDA-approved treatment for this indication. The uptake of the drug has been strong since its launch. In addition, Alnylam is also planning to expand the label of Onpattro in ATTR amyloidosis patients with cardiomyopathy. Label expansion of the drug should further boost sales.

Alnylam approved approved drugs — Givlaari and Onpattro are witnessing strong uptake since launch. Pipeline also making good progress.

▲ **Givlaari (Givosiran) Approval Encouraging, Oxlumo (Lumasiran) Approved, Leqvio (inclisiran) Gets Approval in Europe:** In November 2019, the FDA approved the givosiran injection for subcutaneous use for the treatment of adults with acute hepatic porphyria (AHP). The givosiran injection is marketed by the trade name of Givlaari. This is the second RNAi therapeutic from Alnylam approved by the FDA. This approval further boosts sales for the company. The drug has been performing well. In March 2020, the company received approval for Givlaari for the treatment of AHP in adolescents and adults in the EU.

In November 2020, the FDA approved Alnylam's RNAi candidate, Oxlumo (lumasiran) injection for subcutaneous use, for the treatment of primary hyperoxaluria type 1 (PH1) to lower urinary oxalate levels in pediatric and adult patients. Oxlumo is the first RNAi therapeutic approved in the United States for use in both children and adults, and the third RNAi medicine to receive FDA approval in less than three years. During the same time, the European Commission (EC) also granted marketing authorization for Oxlumo for the treatment of PH1 in all age groups.

In December 2020, Alnylam's partner Novartis received marketing authorization for Leqvio (inclisiran) from the European Commission. The approval will boost sales of the company.

▲ **RNAi Technology Holds Promise:** Alnylam makes use of a potentially radical RNAi technology. This technology is a naturally occurring biological pathway within cells for selectively silencing and regulating the expression of specific genes. Since many diseases are caused by the inappropriate activity of specific genes, the ability to make the genes silent selectively through RNAi hold the potential to change the way diseases are treated.

Alnylam's pipeline of experimental RNAi therapeutics is focused across three STARS: genetic medicines – for the treatment of rare diseases; cardio-metabolic disease – cardiovascular and metabolic diseases such as dyslipidemia, non-alcoholic steatohepatitis, type II diabetes, hypertension and other major diseases; as well as hepatic infectious disease – hepatic infectious diseases, beginning with hepatitis B and hepatitis D viral infections.

▲ **Broad & Promising Pipeline:** The company is also evaluating several other candidates. Interesting ones include ALN-CC5 (phase I/II; complement-mediated diseases), cemdisiran (phase II, complement-mediated diseases) and lumasiran (regulatory application accepted for Primary Hyperoxaluria Type 1 (PH1)), vutrisiran (ALN-TTRsc02) a once-quarterly subcutaneously-administered investigational RNAi therapeutic in development for the treatment of ATTR amyloidosis.

Alnylam, in collaboration with Regeneron, is advancing cemdisiran, an investigational RNAi therapeutic for the treatment of complement-mediated diseases. Enrollment and dosing in a phase II study of cemdisiran monotherapy in patients with IgA nephropathy is ongoing. Alnylam initiated dosing in a phase I study of combination therapy with pozelimab, an anti-C5 monoclonal antibody, in collaboration with Regeneron.

ALN-HBV02 (also known as VIR-2218), partnered with Vir and in development for the treatment of chronic hepatitis B virus (HBV) infection, which is currently in a phase II study. Alnylam selected its first CNS-targeted development candidate, ALN-APP, an investigational RNAi therapeutic targeting amyloid precursor protein (APP) for the treatment of hereditary cerebral amyloid angiopathy (hCAA) and autosomal dominant Alzheimer's Disease (ADAD), which remains on track for a CTA filing in mid-2021.

The successful development and subsequent approval of these candidates will be a huge boost for the company.

▲ **Encouraging Collaborations:** In January 2018, Alnylam and Sanofi announced a strategic restructuring of their RNAi therapeutics rare genetic diseases alliance. The companies entered into the agreement to optimize the development and commercialization of certain products for the treatment of rare genetic diseases. Per the agreement, Alnylam will fund all the development and commercialization costs for — Onpattro and its investigational RNAi therapeutics candidate ALN-TTRsc02 — that are being evaluated for the treatment of ATTR amyloidosis.

In April 2019, Alnylam and Regeneron Pharmaceuticals extended their collaboration agreement. Both the companies are working together to discover, develop and commercialize new RNAi therapeutics for a broad range of diseases by addressing disease targets expressed in the eye and central nervous system (CNS), in addition to a select number of targets expressed in the liver.

In April 2020, Alnylam and The Blackstone Group entered into a broad strategic collaboration which will support Alnylam's advancement of innovative RNAi medicines with up to \$2 billion investment from Blackstone. Alnylam believes that the deal with Blackstone will make the company self-sustainable. The Blackstone investment will also likely accelerate the commercial potential of Alnylam's rapidly advancing

product portfolio and support the development and delivery of promising medicines.

In April 2020, the company entered into an agreement with Dicerna to develop and commercialize investigational RNAi therapeutics for the treatment of alpha-1 antitrypsin (A1AT) deficiency-associated liver disease, and completed a non-exclusive cross-licensing agreement with Dicerna regarding the companies' respective intellectual property for Alynham's lumasiran and Dicerna's nedosiran investigational programs for the treatment of primary hyperoxaluria.

Such partnerships provide financial aid to the company and helps in advancing its long-term strategic goals.

Reasons To Sell:

- ▼ **Pipeline Setbacks:** Alnylam's partner, Novartis, received a Complete Response Letter for Leqvio from the FDA in December 2020, due to unresolved facility inspection-related conditions at a third-party manufacturing facility in Europe. Novartis is working closely with the third-party manufacturer and the FDA to obtain approval as soon as possible, and has guided for a resubmission of its NDA either in the second or third quarter of 2021. Such delays do not bode well for the company.

Also, in November 2018, the company announced that due to recruitment challenges, it has discontinued a phase II study of cemdisiran in atypical hemolytic uremic syndrome (aHUS). Similar setbacks will hurt the company's growth prospects in the days ahead.

- ▼ **High Reliance on Partnerships:** Alnylam derives a substantial amount of revenues from strategic partnerships with companies like Sanofi, Takeda, Monsanto and Novartis. Therefore, Alnylam is heavily dependent on its partnerships for supporting operations and pipeline development activities. The company expects to continue deriving revenues from the existing and new strategic alliances, which may include license and other fees, funded R&D and milestone payments over the next several years. If any of the partners fails to fund a program or terminate collaboration agreement, Alnylam's prospects would be hampered.
- ▼ **Stiff Competition:** Alnylam is not the only company working on the development of RNAi-based therapeutics. Companies like Ionis, Sarepta Therapeutics and Roche Innovation Center are involved in the development of RNA-based drugs. Some of the companies including Takeda, Wave Life Sciences and Dicerna Pharmaceuticals are even looking to develop chemically synthesized siRNAs as drugs. While Alnylam's candidates that are currently under development target lucrative markets, they will face intense competition too, if approved. The hemophilia and bleeding disorders market has several players like Bayer, Pfizer, Biogen, CSL Behring and Shire. Meanwhile, the market for complement-mediated diseases has players like Alexion Pharmaceuticals. The cholesterol management market represents huge commercial potential and with companies like Ionis operating in it. Competition in this space intensified with the introduction of PCSK9 inhibitors – Amgen's Repatha and Regeneron/Sanofi's Praluent. Also, Ionis is developing IONIS-TTRRx, to treat all forms of ATTR amyloidosis, FAP, FAC, and wild-type TTR amyloidosis.

Alnylam relies highly on collaborators for funding. Any development/regulatory setback would be a negative for the company. Stiff competition remains a threat as well.

Last Earnings Report

Alnylam's Q1 Loss Narrower Than Expected, Revenues Beat

Alnylam incurred a loss of \$1.71 per share in the first quarter of 2021, narrower than the Zacks Consensus Estimate of a loss of \$1.75. The loss includes stock-based compensation expenses and unrealized loss on equity securities. Excluding these items, adjusted loss was \$1.64 per share, wider than the adjusted loss of \$1.52 reported in the year-ago quarter.

The company recorded total revenues of \$177.6 million, which marginally beat the Zacks Consensus Estimate of \$177 million. In the year-ago quarter, total revenues were \$99.5 million. Net product revenues were \$135.8 million, up 88.9% year over year, driven by the addition of new patients on therapy, which is a result of growth in established markets and the global expansion of Onpatro and Givlaari, as well as encouraging initial uptake for Oxlumo following its regulatory approval in the fourth quarter of 2020.

Quarter Ending 03/2021

Report Date	Apr 29, 2021
Sales Surprise	0.36%
EPS Surprise	2.29%
Quarterly EPS	-1.71
Annual EPS (TTM)	-7.54

Quarter in Detail

Onpatro injection recorded sales of \$102 million in the first quarter, up 52.9% year over year, driven by new patient demand.

Alnylam's second product, Givlaari, recorded sales of \$24.7 million in the first quarter, reflecting an increase of 12.2% sequentially.

Oxlumo, in its first full quarter following its approval, recorded global net product revenues of about \$9.1 million in the first quarter of 2021.

Adjusted research and development expenses (R&D) increased to \$161.5 million from \$153.5 million in the year-ago quarter. The increase was due to higher investment in late-stage pipeline programs.

Adjusted selling, general and administrative expenses (SG&A) rose to \$115.5 million from \$108.2 million in the year-ago quarter. The increase was due to higher investments in commercial activities to support the launch of Oxlumo.

2021 Guidance

Alnylam expects net product revenues for Onpatro, Givlaari and Oxlumo in the range of \$610-\$660 million.

Net revenues from collaborations and royalties are expected in the range of \$150-\$200 million. Adjusted R&D and SG&A expenses are anticipated in the band of \$1,175-\$1,275 million.

Recent News

Completes Enrollment in APOLLO-B Study of Patisiran – Jun 1

Alnylam announced that it has completed full enrollment in the phase III APOLLO-B study evaluating its investigational RNAi therapeutic, patisiran for the treatment of cardiomyopathy in patients with transthyretin-mediated (ATTR) amyloidosis. Top-line data from the study is expected in mid-2022.

Posts Positive Early Data from ILLUMINATE-A Study on Oxlumo – May 3

Alnylam announced positive early results from the 12-month analysis of the phase III ILLUMINATE-A study evaluating Oxlumo for the treatment of primary hyperoxaluria type 1. New data from the study showed that treatment with Oxlumo led to improvements in nephrocalcinosis in patients with primary hyperoxaluria type 1 following 12 months of treatment.

Launches “Alnylam P5x25” Strategy – Jan 10

Alnylam launched P5x25 strategy which is aimed at fulfilling Alnylam's aspirations and potential of becoming one of the most successful biotech companies ever with transformative medicines in both rare and common diseases for patients around the world, supported by additional growth through label expansion, a robust and high yielding pipeline of first and/or best-in-class product candidates from organic product engine and exceptional financial performance with over 40% revenue CAGR to year-end 2025 and sustainable profitability achieved within the period.

Alnylam's P5x25" is focused on the company's planned transition to a top-5 biotech (measured by market capitalization) in the next 5 years through: sustainable innovation yielding transformative medicines for rare and common diseases for patients around the world and delivery of exceptional financial performance.

Alnylam Posts Positive Top-Line Data from Vutrisiran Study – Jan 7

Alnylam announced positive top-line data from the phase III -HELIOS-A study investigating vutrisiran for the treatment of transthyretin-mediated (ATTR) amyloidosis with polyneuropathy. The study met its primary and both secondary endpoints at nine months in patients with hereditary transthyretin (TTR)-mediated amyloidosis with polyneuropathy.

Valuation

Alnylam's shares are up 33.1% in the year-to-date period and 14% over the trailing 12-month period. Stocks in the Zacks sub-industry are down 1% while the stocks in the Zacks sector are up 1%, in the year-to-date period. Over the past year, stocks in the sub-industry and the sector are down 6.3% and up 5.9%, respectively.

The S&P 500 Index is up 13.3% in the year-to-date period and up 40.6% in the past year.

The stock is currently trading at 21.95X trailing 12-month book value, which compares to 3.32X for the Zacks sub-industry, 4.48X for the Zacks sector and 7.03X for the S&P 500 Index.

Over the past five years, the stock has traded as high as 22.45X and as low as 2.65X, with a 5-year median of 6.60X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$182.00 price target reflects 23.09X trailing 12-month book value.

The table below shows summary valuation data for ALNY

Valuation Multiples - ALNY					
		Stock	Sub-Industry	Sector	S&P 500
P/B TTM	Current	21.95	3.32	4.48	7.03
	5-Year High	22.45	4.79	5.05	7.08
	5-Year Low	2.65	2	3.03	3.84
	5-Year Median	6.6	3.7	4.35	5.02
P/S TTM	Current	35.47	2.79	3.15	5.22
	5-Year High	224.15	3.79	3.67	5.26
	5-Year Low	26.38	2.35	2.42	2.83
	5-Year Median	86.48	3.18	3.24	3.94
As of 06/22/2021		Source: Zacks Investment Research			

Industry Analysis Zacks Industry Rank: Bottom 17% (209 out of 252)



Top Peers

Company (Ticker)	Rec	Rank
Bayer Aktiengesellschaft (BAYRY)	Neutral	2
Blueprint Medicines Corporation (BPMC)	Neutral	3
Halozyne Therapeutics, Inc. (HALO)	Neutral	4
Pfizer Inc. (PFE)	Neutral	3
Sarepta Therapeutics, Inc. (SRPT)	Neutral	3
Vanda Pharmaceuticals Inc. (VNDA)	Neutral	3
ANI Pharmaceuticals, Inc. (ANIP)	Underperform	5
OSMOTICA PHARM (OSMT)	Underperform	4

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry: Medical - Biomedical And Genetics				Industry Peers		
	ALNY	X Industry	S&P 500	HALO	OSMT	SRPT
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Underperform	Neutral
Zacks Rank (Short Term)	3	-	-	4	4	3
VGM Score	F	-	-	B	B	C
Market Cap	20.33 B	366.20 M	30.14 B	6.13 B	178.37 M	6.35 B
# of Analysts	10	3	12	4	1	5
Dividend Yield	0.00%	0.00%	1.35%	0.00%	0.00%	0.00%
Value Score	D	-	-	B	B	D
Cash/Price	0.08	0.25	0.06	0.13	0.60	0.27
EV/EBITDA	-27.00	-5.52	17.08	36.62	12.39	-10.79
PEG F1	NA	1.41	2.05	NA	NA	NA
P/B	21.95	3.66	4.08	91.27	2.09	11.85
P/CF	NA	19.69	17.37	39.50	2.52	NA
P/E F1	NA	21.80	20.93	28.18	NA	NA
P/S TTM	35.61	21.60	3.37	18.50	1.16	11.08
Earnings Yield	-3.58%	-12.35%	4.67%	3.55%	-31.23%	-8.76%
Debt/Equity	0.21	0.00	0.66	11.61	2.58	2.04
Cash Flow (\$/share)	-6.75	-0.94	6.83	1.09	1.13	-6.71
Growth Score	F	-	-	B	D	B
Historical EPS Growth (3-5 Years)	NA%	20.82%	9.59%	NA	NA	NA
Projected EPS Growth (F1/F0)	17.09%	4.99%	21.62%	67.86%	32.06%	1.97%
Current Cash Flow Growth	-5.76%	16.16%	0.99%	-316.18%	-80.02%	-24.26%
Historical Cash Flow Growth (3-5 Years)	NA%	6.94%	7.28%	46.82%	NA	NA
Current Ratio	4.99	7.39	1.39	8.77	3.32	6.23
Debt/Capital	17.14%	0.00%	41.51%	92.07%	72.06%	67.08%
Net Margin	-153.49%	-205.15%	11.95%	49.23%	-56.24%	-122.76%
Return on Equity	-76.92%	-52.12%	16.48%	174.48%	-38.01%	-87.11%
Sales/Assets	0.17	0.16	0.51	0.51	0.38	0.20
Projected Sales Growth (F1/F0)	69.44%	10.23%	9.48%	55.11%	-36.76%	13.90%
Momentum Score	D	-	-	B	A	C
Daily Price Change	0.99%	-0.69%	0.51%	2.09%	-1.04%	1.02%
1-Week Price Change	7.19%	-2.60%	0.00%	-3.23%	-5.86%	-7.73%
4-Week Price Change	24.07%	2.91%	1.39%	1.94%	-2.73%	5.99%
12-Week Price Change	27.99%	-5.77%	7.27%	4.77%	-18.80%	8.89%
52-Week Price Change	13.91%	2.12%	35.61%	68.03%	-58.15%	-52.85%
20-Day Average Volume (Shares)	686,526	330,337	1,876,146	994,653	218,832	1,188,038
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%
EPS F1 Estimate 12-Week Change	2.21%	0.00%	3.59%	14.13%	-48.33%	14.66%

Past performance is no guarantee of future results. Please see important disclosures and definitions at the end of this report.

EPS Q1 Estimate Monthly Change	0.00%	:	0.00%	:	0.00%	:	0.00%	:	0.00%	:	0.00%
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Source: Zacks Investment Research

Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

Value Score	D
Growth Score	F
Momentum Score	D
VGM Score	F

Disclosures

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Additional Disclosure

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Returns quoted represent past performance which is no guarantee of future results. Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

Glossary of Terms and Definitions

52-Week High-Low: The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

20-Day Average Volume (Shares): The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

Daily Price Change: This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

1-Week Price Change: This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

4-Week Price Change: This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

12-Week Price Change: This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

52-Week Price Change: This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

Market Cap: The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

Year-To-Date Price Change: Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

of Analysts: Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

Beta: A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

Dividend: The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

Dividend Yield: The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

S&P 500 Index: The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is

proportionate to its market value.

Industry: One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

Zacks Industry Rank: The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

Last EPS Surprise: The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

Last Sales Surprise: The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

Expected Report Date: This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

Earnings ESP: The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

Periods:

TTM: Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

F1: Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

F2: Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

F12M: Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

P/E Ratio: The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

PEG Ratio: The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

P/S Ratio: The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

Cash/Price Ratio: The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

EV/EBITDA Ratio: The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

EV/Sales Ratio: The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

EV/CF Ratio: The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-

term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

EV/FCF Ratio: The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

P/EBITDA Ratio: The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

P/B Ratio: The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

P/TB Ratio: The price-to-tangible-book value ratio is calculated as the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

P/CF Ratio: The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

P/FCF Ratio: The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

Earnings Yield: The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ($3/35 = 0.0857$) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

Debt/Equity Ratio: The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

Cash Flow (\$/share): Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

Current Ratio: The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

Debt/Capital Ratio: Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital

intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

Net Margin: Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

Return on Equity: Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

Sales/Assets Ratio: The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

Historical EPS Growth (3-5 Years): This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

Projected EPS Growth (F1/F0): This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

Current Cash Flow Growth: It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

Historical Cash Flow Growth (3-5 Years): This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

Projected Sales Growth (F1/F0): This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

EPS F1 Estimate 1-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

EPS F1 Estimate 4-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

EPS F1 Estimate 12-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

EPS Q1 Estimate Monthly Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.