

Incyte Corporation (INCY)

\$97.67 (As of 04/28/20)

Price Target (6-12 Months): **\$103.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 04/02/20)

Prior Recommendation: Underperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

4-Sell

Zacks Style Scores:

VGM:D

Value: F

Growth: C

Momentum: B

Summary

Incyte's lead drug, Jakafi, maintains momentum, propelled by increasing demand in all three approved indications (polycythemia vera, myelofibrosis and the recent label expansion in acute GVHD). Moreover, its efforts to diversify the revenue base and develop the pipeline are impressive. Incyte got a boost with the FDA approval of Pemazyre for cholangiocarcinoma. However, pipeline failures are concerning. The phase III study of itacitinib as a treatment for patients with newly-diagnosed acute GVHD, did not meet the primary endpoint. Moreover, the company is highly dependent on Jakafi for a major chunk of revenues. The recently-approved therapies will pose stiff competition to Jakafi. Shares have outperformed the industry in the past one year. However, earnings estimates for the first quarter of 2020 are down 4 cents in the past 30 days.

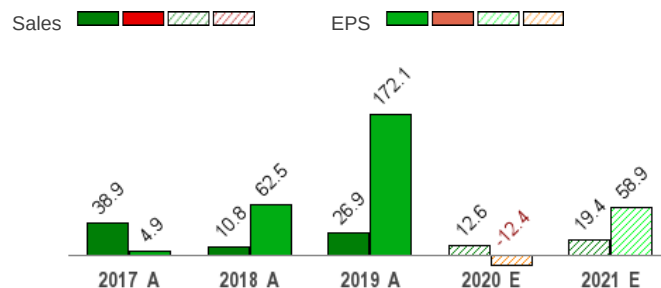
Price, Consensus & Surprise



Data Overview

52 Week High-Low	\$104.81 - \$62.48
20 Day Average Volume (sh)	2,084,023
Market Cap	\$21.2 B
YTD Price Change	11.9%
Beta	0.80
Dividend / Div Yld	\$0.00 / 0.0%
Industry	Medical - Biomedical and Genetics
Zacks Industry Rank	Top 6% (14 out of 253)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	12.1%
Last Sales Surprise	1.6%
EPS F1 Est- 4 week change	-8.4%
Expected Report Date	05/05/2020
Earnings ESP	539.7%
P/E TTM	34.4
P/E F1	39.4
PEG F1	1.2
P/S TTM	9.8

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021	634 E	705 E	739 E	806 E	2,902 E
2020	546 E	579 E	630 E	667 E	2,430 E
2019	498 A	530 A	552 A	579 A	2,159 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$0.83 E	\$1.07 E	\$1.16 E	\$1.31 E	\$3.94 E
2020	\$0.08 E	\$0.71 E	\$0.81 E	\$0.91 E	\$2.48 E
2019	\$0.62 A	\$0.75 A	\$0.82 A	\$0.65 A	\$2.83 A

*Quarterly figures may not add up to annual.

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 04/28/2020. The reports text is as of 04/29/2020.

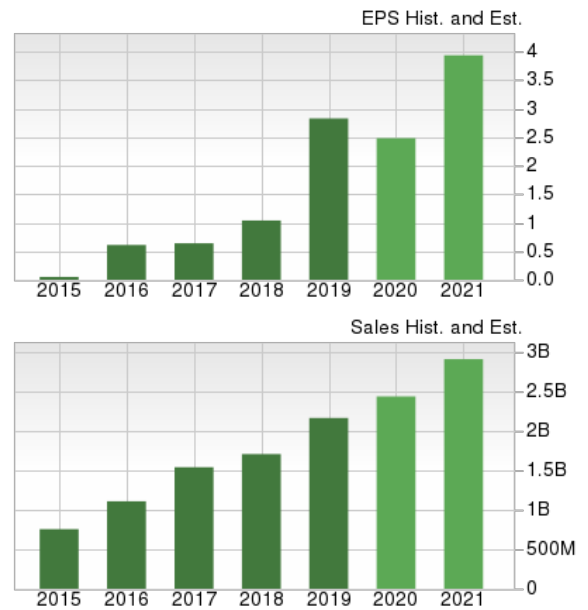
Overview

Wilmington, DE-based Incyte Corporation is a biopharmaceutical company focused on the discovery, development and commercialization of proprietary therapeutics. The company conducts its European clinical development operations in Geneva, Switzerland.

Incyte's lead drug, Jakafi (ruxolitinib), is a first-in-class JAK1/JAK2 inhibitor, approved in the United States for the treatment of patients with polycythemia vera ("PV"), who have had an inadequate response to or are intolerant to hydroxyurea. It is also approved for the treatment of patients with intermediate or high-risk myelofibrosis (MF), including primary MF, post-PV MF, and post-essential thrombocythemia MF. In May 2019, Jakafi obtained FDA approval for the treatment of steroid-refractory acute graft-versus-host disease (GVHD) in adult and pediatric patients aged 12 years or older. While Incyte markets the drug in the United States, it is marketed by Novartis as Jakavi outside the country. Jakafi sales came in at \$1.7 billion in 2019, thereby contributing 78% to total revenues.

The company's second JAK1 and JAK2 inhibitor, Olumiant (baricitinib, JAK1/JAK2 inhibitor) was approved in the EU in Feb 2017 for rheumatoid arthritis (RA). Incyte is co-developing Olumiant with Eli Lilly. In June 2018, the FDA approved the 2mg dose of baricitinib as Olumiant for the treatment of adults with RA. The approval brings another source of income for Incyte as royalties.

In Jun 2016, Incyte entered into a share purchase agreement with ARIAD under which it gained the latter's European business and the rights to Iclusig in the EU and 22 other countries including Switzerland, Norway, Turkey, Israel and Russia. Revenues for 2019 came in at \$2.2 billion, up from \$1.9 billion in 2018.



Reasons To Buy:

▲ **Share Price Performance:** Incyte's stock has outperformed the industry in the past one year.

▲ **Jakafi Driving Growth:** Jakafi continues to drive growth for the company on label expansions. It became the first FDA-approved JAK inhibitor for any indication, and the first and only product to be approved by the FDA for the treatment of MF and PV — rare blood cancers. Jakafi is the only treatment to provide consistent hematocrit control, spleen volume reduction and complete hematological remission by targeting the overactive JAK pathway. Its label has been updated several times since approval, which has boosted Incyte's sales. It was updated in June 2013 to include information on a new recommended dosing guidance for patients with low platelet count. In 2014, the FDA approved a supplemental labeling for Jakafi to include Kaplan Meier overall survival (OS) curves as well as additional safety and dosing information. Further, in March 2016, the FDA approved supplemental labeling for Jakafi to include additional safety data and efficacy analyses from the RESPONSE study that assessed the durability of response in Jakafi-treated patients after 80 weeks. We note that Jakafi enjoys Orphan Drug status in the United States for MF, PV and essential thrombocythemia. The drug also has long patent life that runs until late 2027.

Key growth driver, Jakafi, has been performing well. Incyte's efforts to develop its pipeline are also encouraging.

In order to expand the patient population and increase the commercial potential of the drug, the company is working on expanding the drug's label further. In October 2017, the FDA approved a label update of the drug to include the addition of new patient-reported outcome (PRO) data from the COMFORT-I study, as well as updating the warning related to progressive multifocal leukoencephalopathy. The FDA recently approved Jakafi for the treatment of steroid-refractory acute GVHD in adult and pediatric patients aged 12 years or older. This is the third indication, for which the drug has been approved in the United States. The label expansion of the drug will further boost sales. Meanwhile, REACH2 and REACH3, evaluating steroid-refractory acute and steroid-refractory chronic graft-versus-host disease, respectively, are ongoing in collaboration with Novartis. REACH2, the phase III study evaluating Jakafi in patients with steroid-refractory acute GVHD, met its primary endpoint of superior overall response. An Independent Data Monitoring Committee (IDMC) recommended that the phase III REACH3 trial should continue without modification following an interim efficacy and safety analysis.

Moreover, the cream formulation is currently in phase III development for the treatment of patients with mild to moderate atopic dermatitis (TRuE-AD). It is also being evaluated for the treatment of adolescents and adults with vitiligo (TRuE-V).

Incyte initiated a phase III study, RUXCOVID, to evaluate the efficacy and safety of Jakafi plus standard-of-care (SoC) compared to SoC therapy alone in patients with COVID-19-associated cytokine storm.

▲ **Pipeline Holds Promise:** Incyte's pipeline is highly encouraging. The company has several candidates in early-to mid-stage development, including both targeted therapies and immune therapies that are being developed in oncology and outside oncology. Interesting targeted therapies include pemigatinib (phase II for bladder cancer and cholangiocarcinoma), capmatinib and baricitinib in atopic dermatitis, among others. The FDA has recently approved pemigatinib, a kinase inhibitor indicated for the treatment of adults with previously-treated, unresectable, locally-advanced or metastatic cholangiocarcinoma with a fibroblast growth factor receptor 2 (FGFR2) fusion or other rearrangement as detected by an FDA-approved test. The candidate has been approved under the brand name, Pemazyre.

Pemazyre is also being evaluated in other studies for various other indications — myeloproliferative neoplasms and in previously-treated, locally-advanced/metastatic or surgically unresectable solid tumor malignancies. A phase III study is also ongoing to evaluate the drug as a first-line treatment for patients with cholangiocarcinoma with FGFR2 fusions or rearrangements. It is also being evaluated in a phase II study in combination with Keytruda and as monotherapy in patients with previously-untreated, metastatic or unresectable bladder cancer harboring FGFR3 mutations or fusions/rearrangements, who are not eligible to receive cisplatin. Approval of new drugs bodes well for Incyte as it reduces its dependence on lead drug, Jakafi.

GRAVITAS-309, a phase III study of itacitinib as a treatment for patients with newly-diagnosed chronic GVHD, was initiated in January and results are expected in 2021. Capmatinib was discovered by Incyte and was included in the 2009 license agreement with Novartis. Capmatinib is an oral reversible inhibitor of the MET receptor tyrosine kinase and it has shown both high selectivity for MET and is extremely potent against MET exon-14 skipping mutations compared to all other MET inhibitors in development. In June 2019, the FDA granted Breakthrough Therapy designation to capmatinib as a treatment for patients with metastatic NSCLC harboring MET exon-14 skipping mutation with disease progression on or after platinum-based chemotherapy. If approved, Incyte will be eligible for 12-14% royalties on global net sales by Novartis and could receive more than \$500 million in potential milestones over time. This February, Incyte and Novartis announced that the NDA for capmatinib was accepted for Priority Review by the FDA, seeking approval in patients with NSCLC and MET exon 14 skipping mutations.

▲ **Encouraging Collaborations:** Incyte has two major agreements with Novartis and Lilly. The 2009 agreement with Novartis includes Jakafi (excluding topical formulations). Per the agreement, Incyte is marketing Jakafi in the United States while Novartis is responsible for the same outside the United States. The deal with Eli Lilly gives the latter exclusive worldwide development and commercialization rights to Olumiant. The FDA approval of Olumiant has triggered a \$100 million milestone payment from Lilly. However, Incyte has elected to not participate in the development of baricitinib in order to reallocate capital, over time, to other promising internal projects. Nevertheless, it will continue to receive royalties on global net sales of Olumiant, pursuant to the terms of its agreement with Lilly. Incyte also entered into a strategic collaboration agreement with China-based Innovent Biologics, Inc. Both the companies have entered into an agreement, through their respective subsidiaries, for the development of three clinical-stage product candidates - pemigatinib (FGFR1/2/3 inhibitor), itacitinib (JAK1 inhibitor) and piasclisib.

Reasons To Sell:

- ▼ **Overdependence on Jakafi for Growth:** Incyte's dependence on a single product, Jakafi for growth is concerning. Lower-than-expected sales would be a huge setback for the company. While we are positive on the company's efforts to expand Jakafi's label, any development/regulatory setback could pull down the stock significantly.
- ▼ **Pipeline Setbacks:** Though we are pleased with Incyte's broad pipeline, the candidates still have to go a long way before hitting the market. Any hiccup in the development process or adverse study results may weigh heavily on the stock and hamper the company's growth progress.

The phase III GRAVITAS-301, evaluating itacitinib in combination with corticosteroids in patients with treatment-naïve (first-line) acute GVHD, did not meet the primary endpoint of overall response rate (ORR) at day 28 compared to placebo plus corticosteroids. Incyte earlier suffered a setback with epacadostat. The external Data Monitoring Committee (eDMC) review of the pivotal phase III study, ECHO-301, evaluating epacadostat in combination with Keytruda in patients with unresectable or metastatic melanoma determined that the study did not meet the primary endpoint of improving progression-free survival in the overall population compared to pembrolizumab monotherapy. Consequently, based on the disappointing data and the recommendation of the eDMC, Incyte stopped the study to enable patients and their physicians to consider alternative therapeutic options.

- ▼ **Stiff Competition:** The FDA recently approved Inrebic for the treatment of adult patients with intermediate-2 or high-risk primary or secondary (post-polycythemia vera or post-essential thrombocythemia) myelofibrosis. This will increase competition for Jakafi. Additionally, Jakafi is likely to face competition from generics. Also, Iclusig faces intense competition. Meanwhile, the oncology market is attracting a lot of attention, with several companies inking deals to tap into this high revenue-potential market.

Overdependence on Jakafi is concerning. Also, most of its pipeline candidates are in early-to-mid stages of development, which translates into a long way to approval.

Last Earnings Report

Incyte Q4 Earnings Top Estimates on Solid Jakafi Sales

The company reported earnings of 65 cents per share, which easily surpassed the Zacks Consensus Estimate of 58 cents but declined from 66 cents in the year-ago quarter.

Including milestones and contracts, revenues came in at \$579.4 million, which grew 10% year over year and beat the Zacks Consensus Estimate of \$570.1 million.

Quarter Ending **12/2019**

Report Date	Feb 13, 2020
Sales Surprise	1.64%
EPS Surprise	12.07%
Quarterly EPS	0.65
Annual EPS (TTM)	2.84

Quarter in Detail

Total product-related revenues came in at \$490.8 million, up 22.9% from the year-ago quarter. Jakafi revenues came in at \$466.5 million, increasing 23% from the year-ago quarter and beating the Zacks Consensus Estimate of \$454 million. Robust demand for Jakafi in all three approved indications drove revenues.

Net product revenues of Iclusig amounted to \$24.3 million, up from \$19.1 million in the year-ago quarter.

Jakafi (name outside the United States) royalty revenues from Novartis AG or commercialization in ex-U.S. markets grew 17% to \$65 million. Osimertinib's product royalty revenues from Eli Lilly came in at \$23.6 million.

R&D expenses were \$312.9 million, up from \$304 million in the year-ago quarter. SG&A expenses amounted to \$136.2 million, up from \$108.4 million in the prior-year quarter.

2019 Results

Revenues in 2019 came in at \$2.16 billion, up 15% from 2018. Earnings per share came in at \$2.83 in 2019, up from \$1.63 in 2018.

2020 Outlook

The company expects Jakafi revenues of \$1,880 - \$1,950 million for 2020. Iclusig revenues are projected around \$100-\$105 million.

Pipeline Update

REACH2, the phase III study in patients with steroid-refractory acute graft-versus-host disease (GVHD), met its primary endpoint of superior overall response rate at day 28 with Jakafi treatment compared with best available therapy. The REACH2 and REACH3 trials, evaluating steroid-refractory acute and steroid-refractory chronic GVHD, respectively, are being conducted in collaboration with Novartis.

However, GRAVITAS-301, the phase III study of itacitinib as a treatment for patients with newly-diagnosed acute GVHD, did not meet the primary endpoint.

In November 2019, the FDA accepted Incyte's new drug application (NDA) for its investigational FGFR inhibitor pemigatinib as a second-line treatment for locally advanced or metastatic cholangiocarcinoma, also known as bile-duct cancer. With the FDA granting priority review to the NDA, a decision from the regulatory body is expected on May 30, 2020.

The Marketing Authorization Application (MAA) seeking approval in Europe for pemigatinib as a second-line treatment for cholangiocarcinoma patients with FGFR2 fusions or rearrangements was validated by the EMA.

TRuE-AD2, the first of the two phase III studies in the TRuE-AD development program of ruxolitinib cream in patients with mild-to-moderate atopic dermatitis, met its primary endpoint.

Incyte expects the results of TRuE-AD1, the second of the two phase III studies required for regulatory submission, to be available in the first quarter of 2020.

Incyte entered into a global collaboration with MorphoSys for the development and commercialization of tafasitamab, an anti-CD19 monoclonal antibody. Pending clearance by antitrust authorities, the collaboration agreement is expected to become effective in the first half of 2020.

Recent News

Initiates RUXCOVID Study – Apr 17

Incyte initiated RUXCOVID, a global, randomized, double-blind, placebo-controlled phase III study evaluating the efficacy and safety of Jakafi plus standard-of-care (SoC) in patients aged 12 and above with COVID-19-associated cytokine storm. The study is sponsored by Incyte in the United States and Novartis outside of the country.

FDA Nod for Cholangiocarcinoma Drug Pemazyre – Apr 17

The FDA has approved pemigatinib, a kinase inhibitor indicated for the treatment of adults with previously-treated, unresectable, locally-advanced or metastatic cholangiocarcinoma with a fibroblast growth factor receptor 2 (FGFR2) fusion or other rearrangement as detected by an FDA-approved test. The candidate has been approved under the brand name, Pemazyre. The New Drug Application (NDA) for Pemazyre was reviewed under the FDA's Priority Review program.

Evaluate Lead Drug Jakafi for COVID-19 Infection – Apr 2

Incyte announced that it is working with the FDA to initiate a phase III study, RUXCOVID, to evaluate the efficacy and safety of Jakafi plus standard-of-care (SoC) compared to SoC therapy alone in patients with COVID-19-associated cytokine storm.

The Jakafi study will be sponsored by Incyte in the United States and Novartis outside of the country. Moreover, Incyte plans to initiate a separate open-label emergency Expanded Access Program (EAP) in the United States. Under this protocol, eligible patients with severe COVID-19 associated cytokine storm are allowed to receive Jakafi while it is being evaluated for this indication.

The RUXCOVID and EAP studies are awaiting potential FDA approvals.

Breakthrough Therapy Designation for Baricitinib for the Treatment of Alopecia Areata - Mar 16

Incyte and partner Eli Lilly announced today that the FDA has granted Breakthrough Therapy designation to Olumiant (baricitinib) for the treatment of alopecia areata (AA), an autoimmune disorder that can cause unpredictable hair loss on the scalp, face and other areas of the body.

Incyte & MorphoSys Get Antitrust Clearance – Mar 3

Incyte and MorphoSys AG announced that their collaboration and license agreement for the further development and global commercialization of the latter's investigational candidate, tafasitamab (MOR208), has received antitrust clearance. This triggers a \$750-million upfront payment to be received by MorphoSys from Incyte. Additionally, Incyte will make an equity investment of \$150 million in new American Depositary Shares (ADS) in MorphoSys within the defined timelines. The FDA recently accepted MorphoSys' Biologics License Application (BLA) for tafasitamab in combination with lenalidomide for the treatment of patients with relapsed or refractory diffuse large B-cell lymphoma (r/r DLBCL) and granted Priority Review.

Positive Topline Results From Phase 3 TRuE-AD Program – Feb 19

Incyte announced that the second randomized, vehicle-controlled, pivotal phase III study from the TRuE-AD clinical trial program has met its primary endpoint.

The results of TRuE-AD1 showed that significantly more patients treated with ruxolitinib cream 0.75% or 1.5% achieved Investigator's Global Assessment Treatment Success (IGA-TS) — defined as an IGA score of 0 (clear) or 1 (almost clear) with at least a two-point improvement from baseline at Week 8 as compared to patients treated with vehicle control (non-medicated cream). The overall efficacy and safety profile of ruxolitinib cream was consistent with previous data, and no new safety signals were observed.

Capmatinib NDA Gets Priority Review From FDA – Feb 11

Incyte announced that the FDA accepted and granted Priority Review to the new drug application (NDA) for capmatinib, which is an investigational, oral selective MET inhibitor. The company is seeking approval of capmatinib for the treatment of first-line and previously treated patients with locally advanced or metastatic MET exon 14 skipping (METex14) mutated non-small cell lung cancer (NSCLC) — a type of lung cancer with a particularly poor prognosis. If approved, the candidate will be the first therapy to specifically target METex14 mutated advanced lung cancer.

Valuation

Incyte's shares are up 10.8% in the year-to-date period and 25.9% over the trailing 12-month period. Stocks in the Zacks sub-industry and the Zacks Medical sector are up 1.8% but down 4% in the year-to-date period, respectively. Over the past year, the Zacks sub-industry is up 4.4% while the sector is up 0.4%.

The S&P 500 index is down 11.4% in the year-to-date period and 3.3% in the past year.

The stock is currently trading at 8.2X forward 12-month sales per share which compares to 2.93X for the Zacks sub-industry, 2.72X for the Zacks sector and 3.21X for the S&P 500 Index.

Over the past five years, the stock has traded as high as 27.64X and as low as 5.35X, with a 5-year median of 11.66X. Our Neutral recommendation indicates that the stock will perform in-line with the the market. Our \$103 price target reflects 8.61X forward 12-month sales per share.

The table below shows summary valuation data for INCY

Valuation Multiples - INCY

Valuation Multiples (x)					
		Stock	Sub-Industry	Sector	S&P 500
P/S F12M	Current	8.2	2.93	2.72	3.21
	5-Year High	27.64	3.18	3.84	3.44
	5-Year Low	5.35	2.05	2.25	2.54
	5-Year Median	11.66	2.62	2.96	3.01
P/B TTM	Current	2.93	3.97	3.72	3.78
	5-Year High	3.18	5.46	5.05	4.55
	5-Year Low	2.05	2.45	2.91	2.84
	5-Year Median	2.62	3.34	4.29	3.64

As of 04/28/2020

Industry Analysis Zacks Industry Rank: Top 6% (14 out of 253)



Top Peers

Company (Ticker)	Rec	Rank
Alkermes plc (ALKS)	Neutral	3
SWEDISH ORP BIO (BIOVF)	Neutral	3
BioMarin Pharmaceutical Inc. (BMRN)	Neutral	3
Bristol-Myers Squibb Company (BMY)	Neutral	2
Emergent Biosolutions Inc. (EBS)	Neutral	3
Horizon Therapeutics Public Limited Company (HZNP)	Neutral	3
QIAGEN N.V. (QGEN)	Neutral	4
SINO PHARMACEUT (SBMFF)	Neutral	3

Industry Comparison Industry: Medical - Biomedical And Genetics				Industry Peers		
	INCY	X Industry	S&P 500	BMRN	BMY	QGEN
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutral
Zacks Rank (Short Term)	4	-	-	3	2	4
VGM Score	D	-	-	B	B	C
Market Cap	21.19 B	192.08 M	20.14 B	17.08 B	140.28 B	9.40 B
# of Analysts	7	3	14	11	5	4
Dividend Yield	0.00%	0.00%	2.13%	0.00%	2.90%	0.00%
Value Score	F	-	-	D	B	D
Cash/Price	0.09	0.24	0.06	0.04	0.11	0.09
EV/EBITDA	35.17	-3.05	12.15	526.23	25.04	37.07
PEG Ratio	1.22	1.96	2.43	NA	1.19	3.08
Price/Book (P/B)	8.10	3.35	2.68	5.44	2.68	3.71
Price/Cash Flow (P/CF)	39.03	15.09	10.78	148.30	14.15	15.54
P/E (F1)	38.91	30.84	19.06	59.26	10.18	30.03
Price/Sales (P/S)	9.82	13.79	2.12	10.02	5.37	6.16
Earnings Yield	2.54%	-17.06%	5.11%	1.68%	9.82%	3.34%
Debt/Equity	0.01	0.02	0.72	0.16	0.84	0.56
Cash Flow (\$/share)	2.50	-1.04	7.01	0.64	4.39	2.66
Growth Score	C	-	-	A	B	B
Hist. EPS Growth (3-5 yrs)	52.48%	18.12%	10.88%	NA	20.53%	7.82%
Proj. EPS Growth (F1/F0)	-12.27%	3.43%	-6.33%	71.45%	30.15%	-3.85%
Curr. Cash Flow Growth	132.41%	13.10%	5.92%	200.25%	36.74%	9.25%
Hist. Cash Flow Growth (3-5 yrs)	140.30%	7.77%	8.55%	27.84%	22.46%	5.76%
Current Ratio	4.83	4.75	1.23	2.08	1.60	1.65
Debt/Capital	1.21%	4.36%	43.90%	13.47%	45.63%	35.91%
Net Margin	20.70%	-230.92%	11.13%	-1.40%	13.15%	-2.72%
Return on Equity	20.05%	-65.28%	16.47%	0.81%	31.85%	13.00%
Sales/Assets	0.70	0.20	0.55	0.38	0.38	0.29
Proj. Sales Growth (F1/F0)	12.58%	5.79%	-1.35%	16.33%	58.09%	0.81%
Momentum Score	B	-	-	A	D	B
Daily Price Chg	-5.16%	-1.29%	1.10%	-3.53%	-0.67%	-0.72%
1 Week Price Chg	3.48%	2.32%	-1.74%	9.19%	2.72%	1.78%
4 Week Price Chg	33.37%	16.35%	11.80%	11.82%	11.48%	-0.75%
12 Week Price Chg	32.20%	-11.59%	-17.28%	9.78%	-3.34%	24.48%
52 Week Price Chg	27.17%	-22.41%	-10.69%	10.48%	33.84%	5.98%
20 Day Average Volume	2,084,023	221,765	2,660,864	1,461,476	14,128,653	1,315,857
(F1) EPS Est 1 week change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(F1) EPS Est 4 week change	-8.45%	0.00%	-6.46%	0.00%	-0.43%	-9.54%
(F1) EPS Est 12 week change	-28.01%	-1.88%	-12.81%	-29.69%	0.89%	-7.00%
(Q1) EPS Est Mthly Chg	-6.86%	0.00%	-10.84%	0.00%	-3.29%	-38.67%

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 have an excellent 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.

Value Score	F
Growth Score	C
Momentum Score	B
VGM Score	D

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.

Disclosures

This report contains independent commentary to be used for informational purposes only. The analysts contributing to this report do not hold any shares of this stock. The analysts contributing to this report do not serve on the board of the company that issued this stock. The EPS and revenue forecasts are the Zacks Consensus estimates, unless indicated otherwise on the reports first page. Additionally, the analysts contributing to this report certify that the views expressed herein accurately reflect the analysts personal views as to the subject securities and issuers. ZIR certifies that no part of the analysts compensation was, is, or will be, directly or indirectly, related to the specific recommendation or views expressed by the analyst in the report.

Additional information on the securities mentioned in this report is available upon request. This report is based on data obtained from sources we believe to be reliable, but is not guaranteed as to accuracy and does not purport to be complete. Any opinions expressed herein are subject to change.

ZIR is not an investment advisor and the report should not be construed as advice designed to meet the particular investment needs of any investor. Prior to making any investment decision, you are advised to consult with your broker, investment advisor, or other appropriate tax or financial professional to determine the suitability of any investment. This report and others like it are published regularly and not in response to episodic market activity or events affecting the securities industry.

This report is not to be construed as an offer or the solicitation of an offer to buy or sell the securities herein mentioned. ZIR or its officers, employees or customers may have a position long or short in the securities mentioned and buy or sell the securities from time to time. ZIR is not a broker-dealer. ZIR may enter into arms-length agreements with broker-dealers to provide this research to their clients. Zacks and its staff are not involved in investment banking activities for the stock issuer covered in this report.

ZIR uses the following rating system for the securities it covers. **Outperform-** ZIR expects that the subject company will outperform the broader U.S. equities markets over the next six to twelve months. **Neutral-** ZIR expects that the company will perform in line with the broader U.S. equities markets over the next six to twelve months. **Underperform-** ZIR expects the company will underperform the broader U.S. equities markets over the next six to twelve months.

No part of this report can be reprinted, republished or transmitted electronically without the prior written authorization of ZIR.