



SUMMARY PROSPECTUS

May 1, 2019

PMEGX

T. ROWE PRICE

Institutional Mid-Cap Equity Growth Fund

The Securities and Exchange Commission (SEC) has not approved or disapproved these securities or passed upon the adequacy of this prospectus. Any representation to the contrary is a criminal offense.

Before you invest, you may want to review the fund's prospectus, which contains more information about the fund and its risks. You can find the fund's prospectus, shareholder reports, and other information about the fund online at troweprice.com/prospectus. You can also get this information at no cost by calling **1-800-638-8790**, by sending an e-mail request to info@troweprice.com, or by contacting your financial intermediary. This Summary Prospectus incorporates by reference the fund's prospectus, dated May 1, 2019, as amended or supplemented, and Statement of Additional Information, dated May 1, 2019, as amended or supplemented.

Beginning on January 1, 2021, as permitted by SEC regulations, paper copies of the T. Rowe Price funds' annual and semiannual shareholder reports will no longer be mailed, unless you specifically request them. Instead, shareholder reports will be made available on the funds' website (troweprice.com/prospectus), and you will be notified by mail with a website link to access the reports each time a report is posted to the site.

If you already elected to receive reports electronically, you will not be affected by this change and need not take any action. At any time, shareholders who invest directly in T. Rowe Price funds may generally elect to receive reports or other communications electronically by enrolling at troweprice.com/paperless or, if you are a retirement plan sponsor or invest in the funds through a financial intermediary (such as an investment advisor, broker-dealer, insurance company, or bank), by contacting your representative or your financial intermediary.

You may elect to continue receiving paper copies of future shareholder reports free of charge. To do so, if you invest directly with T. Rowe Price, please call T. Rowe Price as follows: IRA, nonretirement account holders, and institutional investors, **1-800-225-5132**; small business retirement accounts, **1-800-492-7670**. If you are a retirement plan sponsor or invest in the T. Rowe Price funds through a financial intermediary, please contact your representative or financial intermediary, or follow additional instructions if included with this document. Your election to receive paper copies of reports will apply to all funds held in your account with your financial intermediary or, if you invest directly in the T. Rowe Price funds, with T. Rowe Price. Your election can be changed at any time in the future.

Investment Objective

The fund seeks to provide long-term capital appreciation by investing in mid-cap stocks with potential for above-average earnings growth.

Fees and Expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. You may also incur brokerage commissions and other charges when buying or selling shares of the fund, which are not reflected in the table.

Fees and Expenses of the Fund

Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)	
Management fees	0.60%
Other expenses	0.01
Total annual fund operating expenses	0.61

Example This example is intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods, that your investment has a 5% return each year, and that the fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

1 year	3 years	5 years	10 years
\$62	\$195	\$340	\$762

Portfolio Turnover The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when the fund's shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During the most recent fiscal year, the fund's portfolio turnover rate was 35.9% of the average value of its portfolio.

Investments, Risks, and Performance

Principal Investment Strategies The fund will normally invest at least 80% of its net assets (including any borrowings for investment purposes) in a diversified portfolio of common stocks of mid-cap companies whose earnings T. Rowe Price expects to grow at a faster rate than the average company. The fund defines mid-cap companies as those whose market capitalization (number of shares outstanding multiplied by share price) falls within the range of either the S&P MidCap 400[®] Index or the Russell Midcap[®] Growth Index. As of December 31, 2018, the market capitalization ranges for the S&P MidCap 400[®] Index and the Russell Midcap[®] Growth Index were approximately \$1.1 billion to \$22.7 billion, and \$1.6 billion to \$35.6 billion, respectively. The market capitalization of the companies in the fund's portfolio and the S&P and Russell indices changes over time; the fund will not automatically

sell or cease to purchase stock of a company it holds just because the company's market capitalization grows or falls outside these ranges.

As "growth" investors, the fund's manager believes that when a company's earnings grow faster than both inflation and the overall economy, the market will eventually reward it with a higher stock price.

In selecting investments, we generally favor companies with one or more of the following:

- proven products or services;
- a record of above-average earnings growth;
- demonstrated potential to sustain earnings growth;
- connection to an industry experiencing increasing demand; or
- stock prices that appear to undervalue their growth prospects.

In pursuing its investment objective, the fund has the discretion to deviate from its normal investment criteria. These situations might arise when the adviser believes a security could increase in value for a variety of reasons, including an extraordinary corporate event, a new product introduction or innovation, a favorable competitive development, or a change in management.

While most assets will typically be invested in U.S. common stocks, the fund may invest in foreign stocks in keeping with the fund's objective.

The fund may sell securities for a variety of reasons, such as to secure gains, limit losses, or redeploy assets into more promising opportunities.

Principal Risks As with any mutual fund, there is no guarantee that the fund will achieve its objective. The fund's share price fluctuates, which means you could lose money by investing in the fund. The principal risks of investing in this fund are summarized as follows:

Active management risks The investment adviser's judgments about the attractiveness, value, or potential appreciation of the fund's investments may prove to be incorrect. The fund could underperform other funds with a similar benchmark or similar objectives and investment strategies if the fund's overall investment selections or strategies fail to produce the intended results.

Risks of U.S. stock investing Common stocks generally fluctuate in value more than bonds and may decline significantly over short time periods. There is a chance that stock prices overall will decline because stock markets tend to move in cycles, with periods of rising and falling prices. The value of a stock in which the fund invests may decline due to general weakness in the U.S. stock market, such as when the U.S. financial markets decline, or because of factors that affect a particular company or industry.

Mid-cap stock risks Investing primarily in issuers within the same market capitalization category carries the risk that the category may be out of favor due to current market conditions or investor sentiment. Because the fund invests primarily in securities issued by mid-cap companies, it is likely to be more volatile than a fund that focuses on securities issued by large companies. Medium-sized companies may have less seasoned management, narrower product

lines, and less capital reserves and liquidity than larger companies, and are therefore more sensitive to economic, market, and industry changes.

Investment style risks Different investment styles tend to shift in and out of favor depending on market conditions and investor sentiment. The fund's growth approach to investing could cause it to underperform other stock funds that employ a different investment style. Growth stocks tend to be more volatile than certain other types of stocks, and their prices may fluctuate more dramatically than the overall stock market. A stock with growth characteristics can have sharp price declines due to decreases in current or expected earnings and may lack dividends that can help cushion its share price in a declining market.

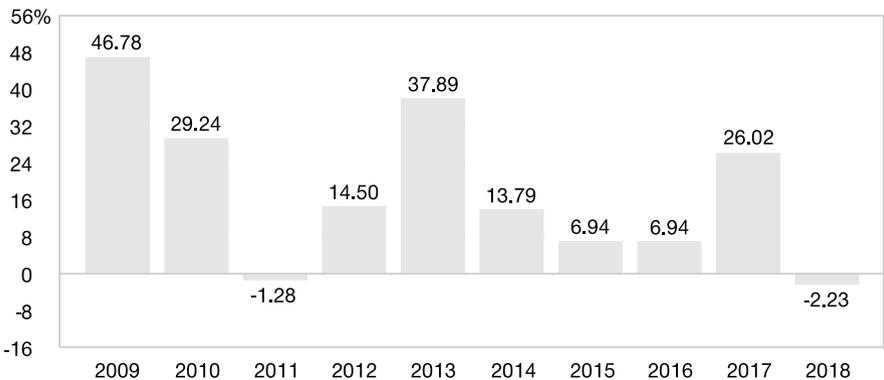
Foreign investing risks The fund's investments in foreign holdings may be adversely affected by local, political, social, and economic conditions overseas, greater volatility, reduced liquidity, or decreases in foreign currency values relative to the U.S. dollar. These risks are heightened for the fund's investments in emerging markets, which are more susceptible to governmental interference, less efficient trading markets, and the imposition of local taxes or restrictions on gaining access to the fund's investments.

Performance The following performance information provides some indication of the risks of investing in the fund. The fund's performance information represents only past performance (before and after taxes) and is not necessarily an indication of future results.

The following bar chart illustrates how much returns can differ from year to year by showing calendar year returns and the best and worst calendar quarter returns during those years for the fund.

INSTITUTIONAL MID-CAP EQUITY GROWTH FUND

Calendar Year Returns



Quarter Ended Total Return

Quarter Ended Total Return

Best Quarter 9/30/09 19.76%

Worst Quarter 9/30/11 -17.35%

The following table shows the average annual total returns for the fund, and also compares the returns with the returns of a relevant broad-based market index, as well as with the returns of

one or more comparative indexes that have investment characteristics similar to those of the fund, if applicable.

In addition, the table shows hypothetical after-tax returns to demonstrate how taxes paid by a shareholder may influence returns. After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Actual after-tax returns depend on an investor's tax situation and may differ from those shown. After-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements, such as a 401(k) account or an IRA.

Average Annual Total Returns

	Periods ended December 31, 2018			Inception date 07/31/1996
	1 Year	5 Years	10 Years	
Institutional Mid-Cap Equity Growth Fund				
Returns before taxes	-2.23 %	9.90 %	16.84 %	
Returns after taxes on distributions	-4.51	8.33	15.84	
Returns after taxes on distributions and sale of fund shares	0.15	7.65	14.25	
Russell Midcap [®] Growth Index (reflects no deduction for fees, expenses, or taxes)	-4.75	7.42	15.12	
Lipper Mid-Cap Growth Funds Index	-3.53	6.64	13.74	

Updated performance information is available through troweprice.com.

Management

Investment Adviser T. Rowe Price Associates, Inc. (T. Rowe Price or Price Associates)

Portfolio Manager	Title	Managed Fund Since	Joined Investment Adviser
Brian W.H. Berghuis	Chairman of Investment Advisory Committee	1996	1985

Purchase and Sale of Fund Shares

Subject to certain exceptions, the fund is currently closed to new investors and new accounts. Investors who currently hold shares of the fund may continue to purchase additional shares.

The fund generally requires a \$1 million minimum initial investment and there is no minimum for additional purchases, although the initial investment minimum may be waived for certain types of accounts held through a retirement plan, financial advisor, or other financial intermediary.

For investors holding shares of the fund directly with T. Rowe Price, you may purchase, redeem, or exchange fund shares by mail or by telephone (1-800-638-8790).

If you hold shares through a financial intermediary or retirement plan, you must purchase, redeem, and exchange shares of the fund through your intermediary or retirement plan. You should check with your intermediary or retirement plan to determine the investment minimums that apply to your account.

Tax Information

Any dividends or capital gains are declared and paid annually, usually in December. Redemptions or exchanges of fund shares and distributions by the fund, whether or not you reinvest these amounts in additional fund shares, may be taxed as ordinary income or capital gains unless you invest through a tax-deferred account (in which case you will be taxed upon withdrawal from such account).

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