

**Objective**

The fund seeks capital appreciation.

**Portfolio Managers**

**Aaron M. Cooper, CFA**  
(industry since 1999)

**Samuel Cox**  
(industry since 2002)

**Kathryn B. Lakin**  
(industry since 2008)

**Jacquelyne J. Cavanaugh**  
(industry since 1995)

**Neil P. Desai**  
(industry since 1997)

**Walter D. Scully, CPA**  
(industry since 1996)

**Current unit value**

Class IA: \$26.81

Class IB: \$26.75

**Number of holdings**

166

**Net assets**

\$50.06M

# Putnam VT Research Fund

Seeking to capitalize on the expertise of Putnam’s research organization

**A best-ideas fund**

The fund invests in stocks that represent the highest conviction ideas from Putnam’s Equity Research team.

**Sector neutral**

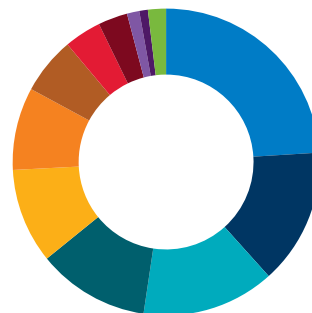
The fund is managed with a sector-neutral approach, with the flexibility to own both growth and value stocks.

**Differentiated research**

The portfolio managers select stocks in a collaborative effort that emphasizes non-consensus critical thinking.

**Diversification across the large-cap universe**

Information technology	25.5%
Financials	14.6
Health care	13.4
Consumer discretionary	11.7
Industrials	9.9
Consumer staples	9.0
Energy	5.9
Materials	4.1
Utilities	2.8
Telecommunication services	1.2
Real estate	1.1
Cash and net other assets	0.7



Allocations will vary over time. Due to rounding, percentages may not equal 100%.

**Top ten holdings**

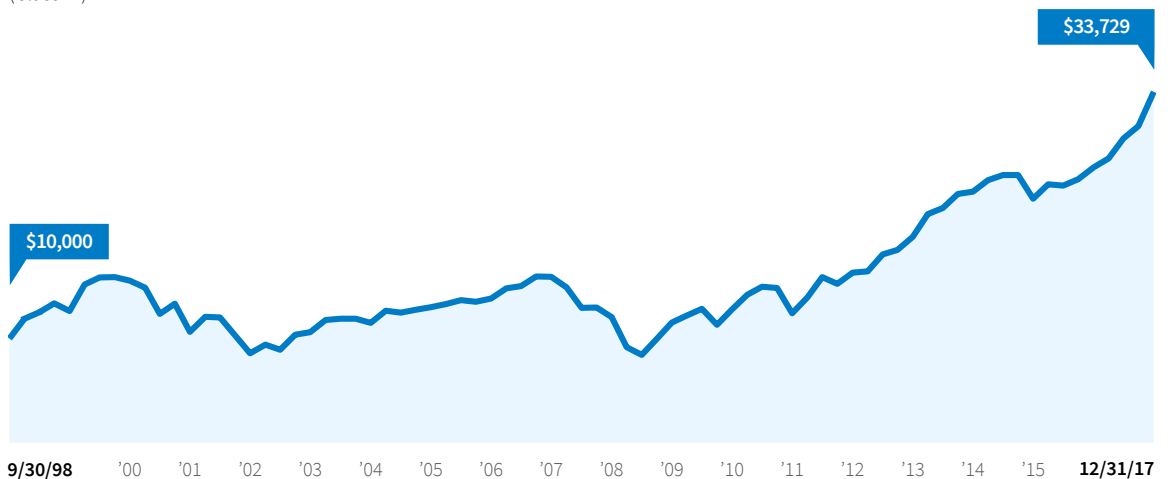
- Apple
- Microsoft
- Alphabet
- Amazon
- Bank of America
- Facebook
- Citigroup
- UnitedHealth Group
- Home Depot
- PepsiCo

Holdings represent 22.8% of the portfolio and will vary over time.

**Growth of a \$10,000 investment**

The fund has returned an average of 6.5% annually since inception.

(Class IB)



Current performance may be lower or higher than the quoted past performance, which cannot guarantee future results. Share price, principal value, and return will vary, and you may have a gain or a loss when you sell your shares. All total return figures are at net asset value. The charges and expenses of the insurance company separate account level are not reflected. To obtain the most recent month-end performance, contact your variable annuity provider, who has more information about their variable annuity and variable life products that invest in Putnam-managed products. For a portion of the period, this fund limited expenses, without which returns would have been lower.

**Not FDIC insured  
May lose value  
No bank guarantee**



The fund received a 4-star Overall Morningstar Rating as of 12/31/17 among 1,217 funds in the Large Blend category (IB shares, based on risk-adjusted returns)

#### Lipper rankings

(IB shares)

1 year	15% (27/184)
3 years	57% (100/177)
5 years	28% (46/165)
10 years	14% (18/130)

Category:

VP (Underlying Funds)—  
Large-Cap Core Funds

#### Market-cap breakdown

Over \$78B	49.55%
\$17B–\$78B	31.40%
\$3.7B–\$17B	15.76%
\$1.2B–\$3.7B	1.53%
Less than \$1.2B	1.08%
Cash and other assets	0.69%

“Cash and other assets” includes cash, short term securities, ETFs, bonds excluding convertible bonds, and other securities not able to be classified by market capitalization.

#### Beta

1.03

#### Annual performance at net asset value (all distributions reinvested)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Class IA	0.8%	-38.4%	33.5%	16.6%	-1.4%	18.3%	33.6%	15.2%	-1.3%	10.3%	23.7%
Class IB	0.6	-38.5	33.2	16.4	-1.8	17.9	33.4	14.9	-1.5	10.0	23.3
S&P 500 Index	5.5	-37.0	26.5	15.1	2.1	16.0	32.4	13.7	1.4	12.0	21.8

#### Annualized total return performance

	Class IA NAV Inception 9/30/98	Class IB NAV Inception 9/30/98	S&P 500 Index
1 year	23.65%	23.34%	21.83%
3 years	10.43	10.16	11.41
5 years	15.68	15.41	15.79
10 years	8.76	8.49	8.50
Life of fund	6.77	6.52	7.16

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The Morningstar Rating™ for funds, or “star rating,” is calculated for managed products (including mutual funds, variable annuity and variable life subaccounts, exchange-traded funds, closed-end funds, and separate accounts) with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product’s monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. The weights are: 100% three-year rating for 36-59 months of total returns, 60% five-year rating/40% three-year rating for 60-119 months of total returns, and 50% 10-year rating/30% five-year rating/20% three-year rating for 120 or more months of total returns. While the 10-year overall star rating formula seems to give the most weight to the 10-year period, the most recent three-year period actually has the greatest impact because it is included in all three rating periods. Putnam VT Research Fund received 3, 4, and 4 stars for the 3-, 5-, and 10-year periods among 1,217, 1,079, and 800 Large Blend funds, respectively.

The S&P 500 Index is an unmanaged index of common stock performance. You cannot invest directly in an index.

Lipper rankings for class IB shares are based on total return without sales charge relative to all share classes of funds with similar objectives as determined by Lipper. Variable annuities are long-term investment vehicles intended for retirement planning. Annuities have insurance related charges and tax considerations, and are offered by contract only.

**Beta** measures volatility in relation to the fund’s benchmark. A beta of less than 1.0 indicates lower volatility; a beta of more than 1.0, higher volatility than the benchmark

**Consider these risks before investing:** Growth stocks may be more susceptible to earnings disappointments, and value stocks may fail to rebound. Stock prices may fall or fail to rise over time for several reasons, including general financial market conditions and factors related to a specific company or industry. You can lose money by investing in the fund.

**Your clients should carefully consider the investment objective, risks, charges, and expenses of a fund before investing. For a prospectus containing this and other information for any variable annuity or variable life product that invests in Putnam managed products, call the Putnam Client Engagement Center at 1-800-354-4000. Your clients should read the prospectus carefully before investing.**

For informational purposes only. Not an investment recommendation.

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Putnam Retail Management  
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