

# MFS® Blended Research® - Global Equity Developed Markets (USD)



## Goal

The goal of the Blended Research - Global Equity Developed Markets strategy is to outperform the MSCI World Index (net div) with a controlled tracking error over a full market cycle.

## Investment team

### Portfolio Managers

#### Jim Fallon

- 25 years with MFS
- 25 years in industry

#### Matt Krummell, CFA

- 23 years with MFS
- 31 years in industry

#### Jonathan Sage, CFA

- 24 years with MFS
- 28 years in industry

#### Jed Stocks, CFA

- 24 years with MFS
- 25 years in industry

### Institutional Portfolio Manager

#### Jeffrey Morrison, CFA

- 17 years with MFS
- 35 years in industry

## Assets under management (USD)

MFS Investment Management® 595.7 billion

MFS® Blended Research® - Global Equity Developed Markets Composite 1.4 million

## Philosophy

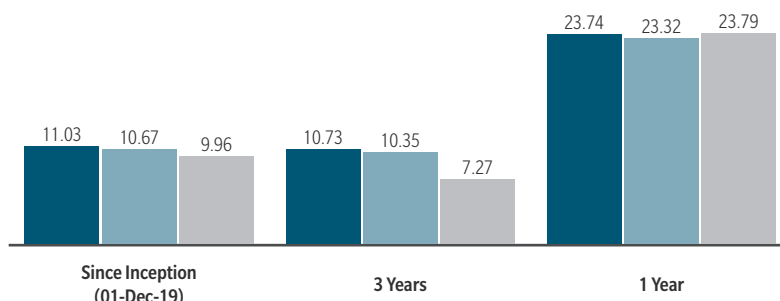
We believe:

- Investing in above-average quality companies that are trading at favorable valuations with an investment catalyst may be rewarded over the long term
- Quantitative research and fundamental research have complementary attributes
- Integrating fundamental and quantitative research in a disciplined portfolio construction process may lead to strong risk-adjusted results

## Performance (%) total return

- MFS (gross of fees)
- MFS (net of fees)
- MSCI World Index (net div)

For periods of less than one-year returns are not annualized.



Gross vs. MSCI World Index (net div)	1.07	3.46	-0.05
Net vs. MSCI World Index (net div)	0.71	3.08	-0.47

## Annual performance (%)

	2020	2021	2022	2023
MFS (gross of fees)	9.02	25.71	-12.71	23.74
MFS (net of fees)	8.73	25.28	-13.02	23.32
MSCI World Index (net div)	15.90	21.82	-18.14	23.79

## MIFID II performance standard – 12-month rates of total return (%) as of the period ended

	Life (01-Dec-19)	31-Dec-20	31-Dec-21	31-Dec-22	31-Dec-23
MFS (gross of fees)	11.03	9.02	25.71	-12.71	23.74
MFS (net of fees)	10.67	8.73	25.28	-13.02	23.32
MSCI World Index (net div)	9.96	15.90	21.82	-18.14	23.79

**Past performance is not a reliable indicator for future results. All financial investments involve an element of risk. The value of investments may rise and fall so you may get back less than originally invested.** Investors should consider the risks, including lower returns, related to currency movements between their investing currency and the portfolio's base currency, if different.

See the GIPS Composite Report at the end of this presentation for performance methodology and other information.

The Markets in Financial Instruments Directive (MIFID) is the EU legislation that regulates firms who provide services to clients linked to financial instruments.

Source: Benchmark performance from SPAR, FactSet Research Systems Inc.

It is not possible to invest directly in an index. Index performance will differ from our actively managed strategies, which may involve a higher degree of risk.

Total gross of fee returns include both capital appreciation and reinvestment of income but exclude custody fees.

CHARACTERISTICS	MFS	MSCI World Index
<b>Fundamentals - weighted average</b>		
IBES long-term EPS growth <sup>1</sup>	11.5%	12.1%
Price/earnings (12 months forward)	14.3x	18.0x
PEG ratio	1.7x	2.0x
Price/book	2.6x	3.0x
Price/sales	1.3x	2.0x
Dividend yield	2.1%	2.0%
Return on equity (3-year average)	25.8%	26.4%
Return on invested capital	15.7%	14.7%
Long term debt/capital	37.7%	38.5%
<b>Market capitalization</b>		
Market capitalization (USD) <sup>2</sup>	490.6 bn	511.6 bn
<b>Diversification</b>		
Top ten issues	26%	21%
Number of Issues	125	1,480
Number of countries	14	23
<b>Turnover</b>		
Trailing 1 year turnover <sup>3</sup>	45%	—
<b>Risk profile (current)</b>		
Axioma predicted tracking error <sup>4</sup>	1.83%	—
<b>Risk/reward (since inception)</b>		
Beta <sup>5</sup>	0.97/0.97	—
Information ratio <sup>5</sup>	0.36/0.24	—

TOP 10 HOLDINGS (%)	MFS	MSCI World Index
<b>Security</b>		
MICROSOFT CORP	5.1	4.4
ALPHABET INC	3.9	2.6
APPLE INC	3.9	5.0
AMAZON.COM INC (EQ)	2.8	2.3
NVIDIA CORP	2.5	2.0
META PLATFORMS INC	2.4	1.3
BOOKING HOLDINGS INC	1.8	0.2
APPLIED MATERIALS INC	1.6	0.2
ENI SPA	1.5	0.1
ADOBE INC	1.5	0.5

SECTOR WEIGHTS UNDERWEIGHT/OVERWEIGHT (%) <sup>†</sup>	MSCI World Index
Materials	0.7
Consumer Staples	0.6
Real Estate	0.5
Energy	0.2
Communication Services	0.0
Information Technology	0.0
Health Care	-0.1
Utilities	-0.3
Consumer Discretionary	-0.7
Industrials	-0.8
Financials	-0.9

REGION WEIGHTS (%) <sup>†</sup>	MFS	MSCI World Index
North America	71.5	73.0
Europe ex-U.K.	13.7	13.8
Japan	6.3	6.0
United Kingdom	4.7	3.9
Asia/Pacific ex-Japan	2.5	3.1
Developed - Middle East/Africa	0.4	0.2

<sup>1</sup> Source: FactSet

<sup>2</sup> Weighted average.

<sup>3</sup> US Turnover Methodology: (Lesser of Purchase or Sales)/Average Month End Market Value

<sup>4</sup> Source: Axioma

<sup>5</sup> Since inception, based on first full month of performance.

<sup>†</sup> 0.9% Cash & Cash Equivalents.

The information presented is based on an account determined to be representative of the composite's strategy. The representative account's performance is available upon request.

Any mention of specific companies, securities and/or sectors are for information purposes only and should not be construed as investment advice or a recommendation of any nature.

### Important risk considerations

MFS' investment analysis, development and use of quantitative models, and selection of investments may not produce the intended results and/or can lead to an investment focus that results in underperforming portfolios with similar investment strategies and/or the markets in which the portfolio invests. The proprietary and third party quantitative models used by MFS may not produce the intended results for a variety of reasons, including the factors used, the weight placed on each factor, changing sources of market return, and technical issues in the development, application, and maintenance of the models (e.g., incomplete or inaccurate data, programming/software issues, coding errors and technology failures).

- Investments in certain markets can involve greater risk and volatility because of adverse market, currency, economic, industry, political, regulatory, geopolitical, or other conditions.
- Stock markets and investments in individual stocks are volatile and can decline significantly in response to or investor perception of, issuer, market, economic, industry, political, regulatory, geopolitical, and other conditions.

### Benchmark and vendor disclosures

Index data source: MSCI. MSCI makes no express or implied warranties or representations and shall have no liability whatsoever with respect to any MSCI data contained herein. The MSCI data may not be further redistributed or used as a basis for other indices or any securities or financial products. This report is not approved, reviewed or produced by MSCI.

The Global Industry Classification Standard (GICS®) was developed by and/or is the exclusive property of MSCI, Inc. and S&P Global Market Intelligence Inc. ("S&P Global Market Intelligence"). GICS is a service mark of MSCI and S&P Global Market Intelligence and has been licensed for use by MFS. MFS has applied its own internal sector/industry classification methodology for equity securities and non-equity securities that are unclassified by GICS.

## Global disclosures

Issued in the United States by MFS Institutional Advisors, Inc., a U.S.-based investment advisor and subsidiary of Massachusetts Financial Services Company ("MFS"). Issued in Canada by MFS Investment Management Canada Limited. MFS Institutional Advisors, Inc. provides certain sub-advisory services to all MFS Investment Management Canada Limited portfolios, including discretionary investment management for non-Canadian portfolios or components of portfolios. Pursuant to a sub-advisory agreement executed between MFS Institutional Advisors, Inc. and MFS Investment Management Canada Limited, MFS provides investment advice pursuant to statutory exemptions or regulatory relief, as applicable. Such advice is being rendered outside of Canada and certain members of the team may not be registered in any capacity with any Canadian securities regulatory authority. Note to UK and Switzerland readers: Issued in the UK and Switzerland by MFS International (U.K.) Limited ("MIL UK"), a private limited company registered in England and Wales with the company number 03062718, and authorised and regulated in the conduct of investment business by the UK Financial Conduct Authority. MIL UK, an indirect subsidiary of MFS®, has its registered office at One Carter Lane, London, EC4V 5ER. Note to Europe (ex UK and Switzerland) readers: Issued in Europe by MFS Investment Management (Lux) S.à r.l. (MFS Lux) – authorized under Luxembourg law as a management company for Funds domiciled in Luxembourg and which both provide products and investment services to institutional investors and is registered office is at S.à r.l. 4 Rue Albert Borschette, Luxembourg L-1246. Tel: 352 2826 12800. This material shall not be circulated or distributed to any person other than to professional investors (as permitted by local regulations) and should not be relied upon or distributed to persons where such reliance or distribution would be contrary to local regulation. Issued in Hong Kong by MFS International (Hong Kong) Limited ("MIL HK"), a private limited company licensed and regulated by the Hong Kong Securities and Futures Commission (the "SFC"). MIL HK is a wholly-owned, indirect subsidiary of Massachusetts Financial Services Company, a US based investment adviser and fund sponsor registered with the US Securities and Exchange Commission. MIL HK is approved to engage in dealing in securities and asset management regulated activities and may provide certain investment services to "professional investors" as defined in the Securities and Futures Ordinance ("SFO"). Issued in Singapore by MFS International Singapore Pte. Ltd., a private limited company registered in Singapore with the company number 201228809M, and further licensed and regulated by the Monetary Authority of Singapore. Issued in Japan: MFS Investment Management K.K., is registered as a Financial Instruments Business Operator, Kanto Local Finance Bureau (FIBO) No.312, a member of the Investment Trust Association, Japan and the Japan Investment Advisers Association. As fees to be borne by investors vary depending upon circumstances such as products, services, investment period and market conditions, the total amount nor the calculation methods cannot be disclosed in advance. All investments involve risks, including market fluctuation and investors may lose the principal amount invested. Investors should obtain and read the prospectus and/or document set forth in Article 37-3 of Financial Instruments and Exchange Act carefully before making the investments. For professional investors in Australia: MFS International Australia Pty Ltd ("MFS Australia") (ABN 68 607 579 537) holds an Australian financial services licence number 485343. MFS Australia is regulated by the Australian Securities and Investments Commission. For Professional Investors in China – MFS Financial Management Consulting (Shanghai) Co., Ltd. 2801-12, 28th Floor, 100 Century Avenue, Shanghai World Financial Center, Shanghai Pilot Free Trade Zone, 200120, China, a Chinese limited liability company registered to provide financial management consulting services. This material is directed at investment professionals for general information use only with no consideration given to the specific investment objective, financial situation and particular needs of any specific person. Any securities and/or sectors mentioned herein are for illustration purposes and should not be construed as a recommendation for investment. Investment involves risk. Past performance is not indicative of future performance. The information contained herein may not be copied, reproduced or redistributed without the express consent of MFS Investment Management ("MFS"). While the information is believed to be accurate, it may be subject to change without notice. MFS does not warrant or represent that it is free from errors or omissions or that the information is suitable for any particular person's intended use. Except in so far as any liability under any law cannot be excluded, MFS does not accept liability for any inaccuracy or for the investment decisions or any other actions taken by any person on the basis of the material included. MFS does not authorise distribution to retail investors. Unless otherwise indicated, logos, product and services names are trademarks of MFS and its affiliates and may be registered in certain countries. The GIPS Composite Report is attached to provide additional information about the strategy, composite, and performance methodology. The funds or other investment vehicles mentioned should not be construed as an offer or solicitation.

**Composite:** MFS Blended Research - Global Equity Developed Markets Composite

**Benchmark:** MSCI The World Index - Net Return

**Creation Date:** 07-Jan-2020

**Inception Date:** 01-Dec-2019

**Composite Description:** The MFS Blended Research - Global Equity Developed Markets Composite includes all discretionary portfolios managed to the MFS Blended Research - Global Equity Developed Markets strategy that seek to outperform the MSCI World Index over a full market cycle with controlled tracking error. The strategy seeks to provide long-term growth of capital through investment primarily in global developed markets equity securities selected through a blend of fundamental and quantitative research. Fundamental research focuses on quality and valuation with a long-term investment horizon. Quantitative research, which utilizes multi-factor models, provides an objective appraisal that complements the qualitative perspective of fundamental research. MFS' investment analysis, development and use of quantitative models, and selection of investments may not produce the intended results and/or can lead to an investment focus that results in underperforming portfolios with similar investment strategies and/or the markets in which the portfolio invests. The proprietary and third party quantitative models used by MFS may not produce the intended results for a variety of reasons, including the factors used, the weight placed on each factor, changing sources of market return, changes from the market factors' historical trends, and technical issues in the development, application, and maintenance of the models (e.g., incomplete or inaccurate data, programming/software issues, coding errors and technology failures). Investments in certain markets can involve greater risk and volatility because of adverse market, currency, economic, industry, political, regulatory, geopolitical, or other conditions. Stock markets and investments in individual stocks are volatile and can decline significantly in response to or investor perception of, issuer, market, economic, industry, political, regulatory, geopolitical, and other conditions.

#### Institutional Separate Accounts Fee Schedule

Asset Breakpoints (USD)	Fee
For Assets Up To 50 MM	35 bp
For Assets From 50 MM To 100 MM	30 bp
For Assets Over 100 MM	25 bp

Accounts are eligible for inclusion in the composite if they have assets greater than 1 MM USD. Accounts are included as of their first full month of performance.

Period	Composite and Benchmark Return %			Composite Dispersion	Accounts in Composite at End of Period	Annualized 3-Year Standard Deviation		Assets (USD million)	
	Gross of fees	Net of fees^	Benchmark			Composite	Benchmark	Composite	Firm
2022	-12.71	-13.02	-18.14	n/a	<6	20.45	20.72	\$1.1	\$527,229.5
2021	25.71	25.28	21.82	n/a	<6	n/a	n/a	\$1.3	\$674,375.8
2020	9.02	8.73	15.90	n/a	<6	n/a	n/a	\$1.4	\$599,076.3
2019**	3.58	3.56	3.00	n/a	<6	n/a	n/a	\$320.1	\$518,568.9

MFS Investment Management® claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. MFS Investment Management has been independently verified for the periods 1-Jan-1988 through 31-Dec-2021. The verification report is available upon request. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report. GIPS® is a registered trademark of CFA Institute. CFA Institute does not endorse or promote this organization, nor does it warrant the accuracy or quality of the content contained herein.

Past performance is no guarantee of future results.

Performance for periods less than one year are not annualized.

\*\* Indicates partial period.

Total Gross-of-fee returns in USD (includes both capital appreciation and reinvestment of income) are net of transaction costs, withholding taxes and direct expenses, but before management fees, custody and other indirect expenses. Typical separate accounts utilize 4:00 PM (London Time) foreign exchange rates; retail products will use rates deemed most appropriate for daily NAV per share calculations. The possibility exists for performance dispersion between otherwise similarly managed accounts and also with the benchmark.

^Net-of-fee returns presented in this table are gross-of-fee returns reduced by management fees and performance fees if applicable (actual fees). For certain accounts where the actual fees are unavailable, the maximum applicable annual institutional separate account fees were applied.

Total returns of the benchmark are provided for each period depicted, expressed in USD. Source of Benchmark Performance: FACTSET ®.

MSCI World Index - Net Return - a market capitalization-weighted index that is designed to measure equity market performance in the global developed markets.

Composite Dispersion is measured by the asset-weighted standard deviation of gross-of-fees account returns for all accounts in the composite for the full period. For composites containing less than six accounts for the full period, dispersion is deemed not meaningful and is not presented. The three-year annualized ex post standard deviation measures the variability of the gross-of-fees composite returns and the benchmark returns over the preceding 36-month period. Historical performance results may have differed had the composite included assets of client accounts during these time periods for various reasons including the impact of cash flows.

Prior to 1-Apr-2020 the minimum asset level for inclusion was 2.0MM USD.

For purposes of GIPS compliance, the firm is defined as MFS Investment Management (MFS), which is comprised of Massachusetts Financial Services Company and MFS Institutional Advisors, Inc. (MFSI), each of which is a registered investment advisor, MFS Heritage Trust Company, a New Hampshire Trust company, and MFS Investment Management Canada Limited. Total firm assets include assets managed by Massachusetts Financial Services Company, MFSI, MFS Heritage Trust Company and MFS Investment Management Canada Limited as well as assets managed by Massachusetts Financial Services Company and MFSI in a sub-advisory capacity on behalf of affiliated investment advisors that may or may not be registered under the United States Investment Advisers Act of 1940, such as MFS International (U.K.), Ltd. (MIL UK) and MFS Investment Management K.K. (MIMKK), MFS International Singapore Pte. Ltd, MFS International Australia Pty Ltd, and MFS Investment Management Company (Lux) S.à r.l as well as assets managed by Massachusetts Financial Services Company and MFSI on behalf of unaffiliated investment advisors that are not registered under the United States Investment Advisers Act of 1940.

The firm's list of composite descriptions, list of pooled fund descriptions for limited distribution pooled funds, and list of broad distribution pooled funds are available upon request. Additionally, policies for valuing investment, calculating performance, and preparing GIPS Reports are available upon request.

Source: MSCI. The MSCI data is comprised of a custom index calculated by MSCI for, and as requested by, Massachusetts Financial Services Company. The MSCI data is for internal use only and may not be redistributed or used in connection with creating or offering any securities, financial products or indices. Neither MSCI nor any other third party involved in or related to compiling, computing or creating the MSCI data (the "MSCI Parties") makes any express or implied warranties or representations with respect to such data (or the results to be obtained by the use thereof), and the MSCI Parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to such data. Without limiting any of the foregoing, in no event shall any of the MSCI Parties have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.