

BNY Mellon International Core Equity Fund

ANNUAL
SHAREHOLDER
REPORT
SEPTEMBER 30, 2025

Class Y – DIEYX

This annual shareholder report contains important information about BNY Mellon International Core Equity Fund (the “Fund”) for the period of October 1, 2024 to September 30, 2025. You can find additional information about the Fund at bny.com/investments/literaturecenter. You can also request this information by calling 1-800-373-9387 (inside the U.S. only) or by sending an e-mail request to info@bny.com.

This report describes changes to the Fund that occurred during the reporting period.

What were the Fund’s costs for the last year?

(based on a hypothetical \$10,000 investment)

Share Class	Costs of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
Class Y*	\$93	0.87%

* During the period, fees were waived and/or expenses reimbursed pursuant to an agreement with the Fund’s investment adviser, BNY Mellon Investment Adviser, Inc. If this agreement is not extended in the future, expenses could be higher.

How did the Fund perform last year?

- For the 12-month period ended September 30, 2025, the Fund’s Class Y shares returned 14.86%.
- In comparison, the MSCI EAFE® Index (the “Index”) returned 14.99% for the same period.

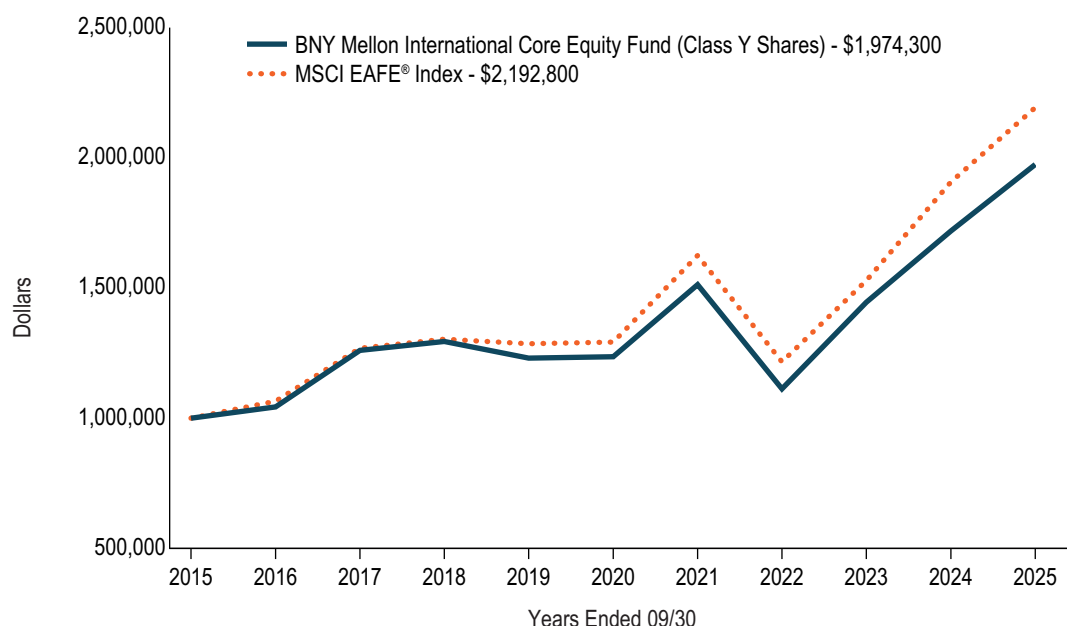
What affected the Fund’s performance?

- International equities gained as strong employment, declining inflation and expectations of rate cuts supported macroeconomic conditions.
- Positions in materials and health care were the primary positive contributors to the Fund’s returns relative to the Index, largely due to issue selection.
- From a geographic perspective, the Fund’s strongest relative performers were located in Japan, followed by Europe and the Pacific Basin ex Japan.
- Financials and consumer discretionary holdings were the most significant detractors from relative performance due to issue selection.
- UK holdings were the primary regional detractors due to issue selection.

How did the Fund perform over the past 10 years?

The Fund's past performance is not a good predictor of the Fund's future performance. The graph and table do not reflect the deduction of taxes that a shareholder would pay on fund distributions or redemption of fund shares.

Cumulative Performance from October 1, 2015 through September 30, 2025 Initial Investment of \$1,000,000



The above graph compares a hypothetical \$1,000,000 investment in the Fund's Class Y shares to a hypothetical investment of \$1,000,000 made in the MSCI EAFE® Index on 9/30/2015. The performance shown takes into account applicable fees and expenses of the Fund, including management fees and other expenses. The Fund's performance also assumes the reinvestment of dividends and capital gains. Unlike the Fund, the Index is not subject to charges, fees and other expenses. Investors cannot invest directly in any index.

AVERAGE ANNUAL TOTAL RETURNS (AS OF 9/30/25)

Share Class	1YR	5YR	10YR
Class Y	14.86%	9.82%	7.04%
MSCI EAFE® Index	14.99%	11.15%	8.17%

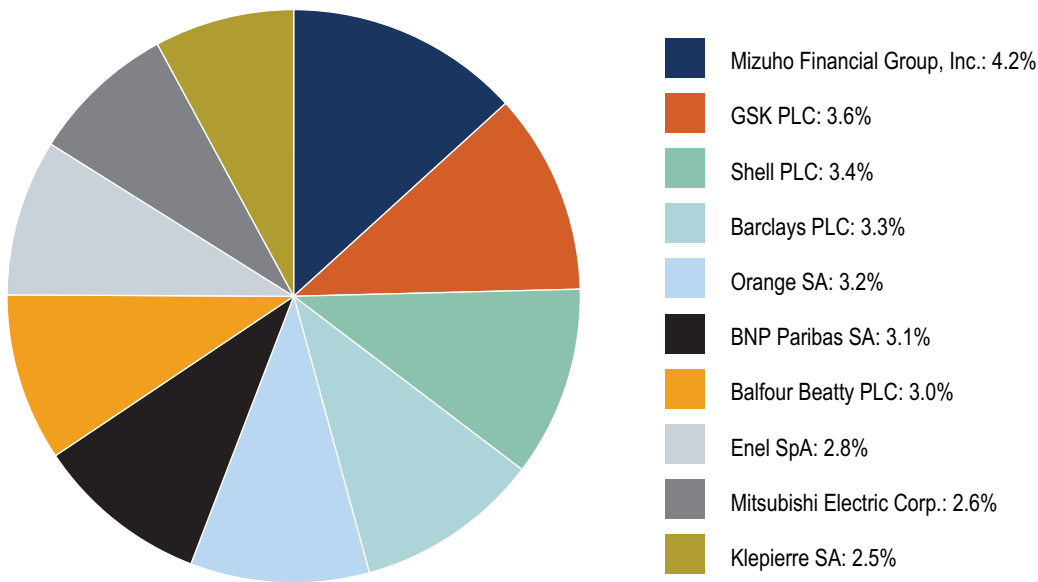
The performance data quoted represent past performance, which is no guarantee of future results. For more current information visit bny.com/investments/literaturecenter.

KEY FUND STATISTICS (AS OF 9/30/25)

Fund Size (Millions)	Number of Holdings	Total Advisory Fee Paid During Period	Annual Portfolio Turnover
\$97	58	\$483,365	75.76%

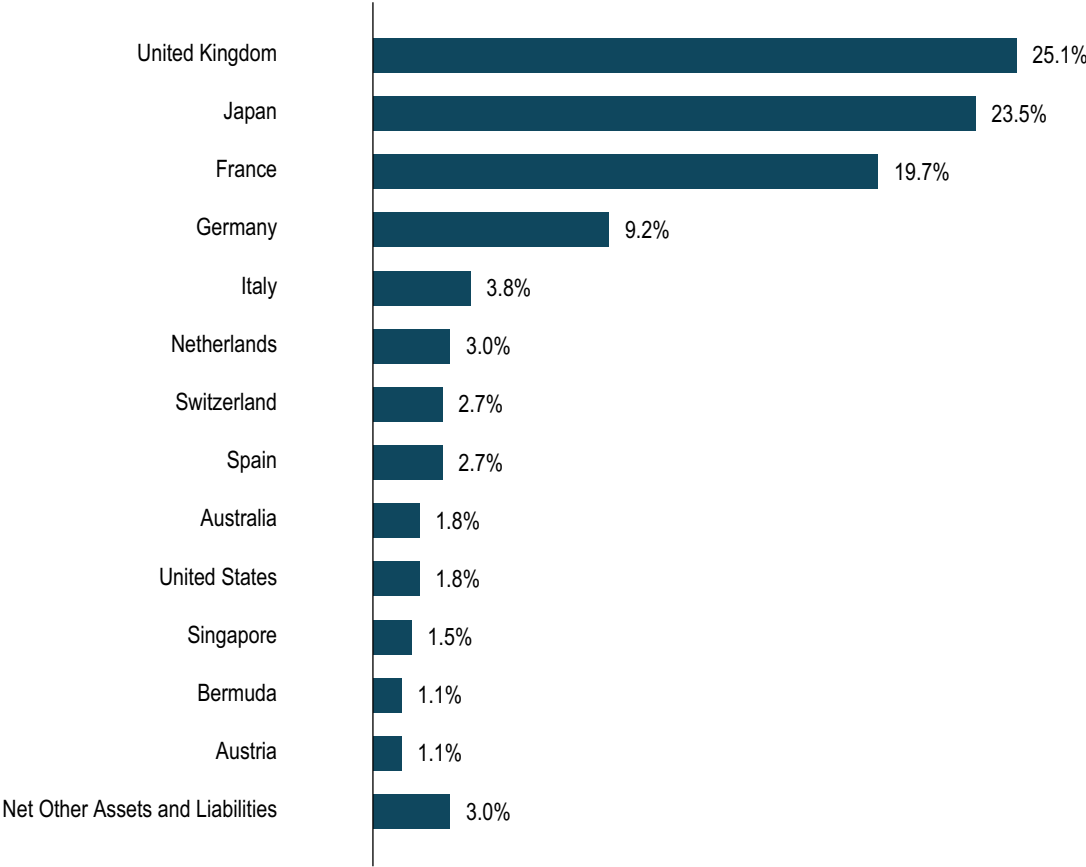
PORTFOLIO HOLDINGS (AS OF 9/30/25)

Top Ten Holdings (Based on Net Assets)*



* Excludes money market funds or other short-term securities held for the investment of cash and cash collateral for securities loaned, if any.

Country Allocation (Based on Net Assets)



How has the Fund changed?

- The Board of Trustees of BNY Mellon Stock Funds (the “Trust”) has approved, subject to shareholder approval, an Agreement and Plan of Reorganization (the “Agreement”) between the Trust, on behalf of the Fund, and BNY Mellon International Equity Fund (the “Acquiring Fund”). The Agreement provides for the transfer of the Fund’s assets to the Acquiring Fund in a tax-free exchange for Class A shares, Class C shares, Class I shares and Class Y shares of the Acquiring Fund having an aggregate net asset value equal to the value of the Fund’s net assets and the assumption by the Acquiring Fund of the stated liabilities of the Fund, the distribution of the corresponding class of shares of the Acquiring Fund to Fund shareholders and the subsequent termination of the Fund (the “Reorganization”).

It is currently contemplated that shareholders of the Fund as of September 23, 2025 (the “Record Date”) will be asked to approve the Agreement on behalf of the Fund at a special meeting of shareholders to be held on or about December 9, 2025. If the Agreement is approved, the Reorganization will be consummated on or about February 13, 2026.

This is a summary of certain changes to the Fund since October 1, 2024. For more complete information, you may review the Fund’s current prospectus dated January 31, 2025 as supplemented on August 22, 2025 at bny.com/investments/literaturecenter or upon request at 1-800-373-9387.

For additional information about the Fund, including its prospectus, financial information, portfolio holdings and proxy voting information, please visit bny.com/investments/literaturecenter.

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