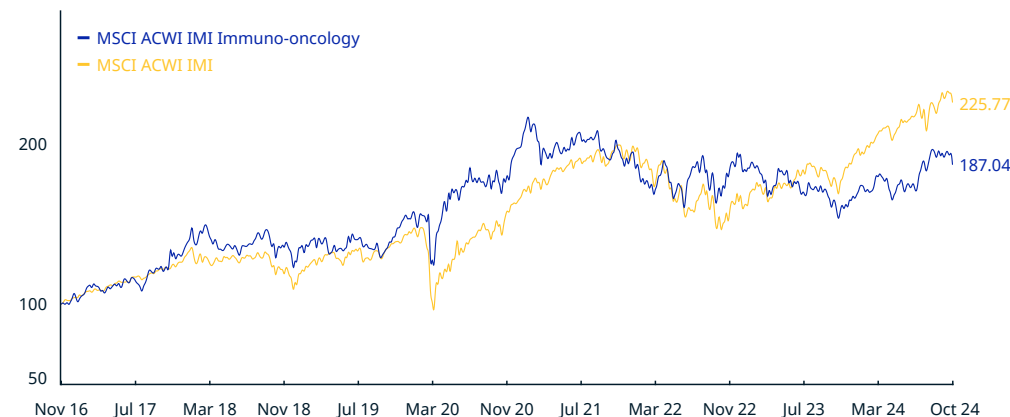


# MSCI ACWI IMI Immuno-oncology Index (USD)

The MSCI ACWI IMI Immuno-oncology Index (the 'Index') aims to represent the performance of a set of companies that are associated with research, development, and commercialization of products for cancer immunotherapy, also known as Immuno-oncology. Immuno-oncology is a form of cancer treatment that uses the power of the body's own immune system to prevent, control and eliminate cancer.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (NOV 2016 – OCT 2024)



## ANNUAL PERFORMANCE (%)

Year	MSCI ACWI IMI Immuno-oncology	MSCI ACWI IMI
2023	-6.35	21.58
2022	-5.75	-18.40
2021	-2.65	18.22
2020	29.44	16.25
2019	20.44	26.35
2018	-2.96	-10.08
2017	29.90	23.95

## INDEX PERFORMANCE – NET RETURNS (%) (OCT 31, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 30, 2016
					3 Yr	5 Yr	10 Yr		
MSCI ACWI IMI Immuno-oncology	-3.87	-0.72	20.35	9.45	-1.43	6.19	na	8.22	
MSCI ACWI IMI	-2.32	2.27	32.33	15.10	4.93	10.74	na	10.82	

## FUNDAMENTALS (OCT 31, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.18	72.32	35.50	4.45
1.89	21.66	17.55	2.92

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2016 – OCT 31, 2024)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Nov 30, 2016	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI ACWI IMI Immuno-oncology	0.72	12.32	27.01	15.67	16.61	na	-0.25	0.30	na	0.44	29.25	2021-01-20–2023-10-27
MSCI ACWI IMI	1.00	0.00	2.23	16.60	17.74	na	0.16	0.53	na	0.60	34.52	2020-02-12–2020-03-23

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

1 - <https://www.cancerresearch.org/what-is-immunotherapy>

The MSCI ACWI IMI Immuno-oncology Index was launched on Mar 06, 2023. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

**INDEX CHARACTERISTICS**

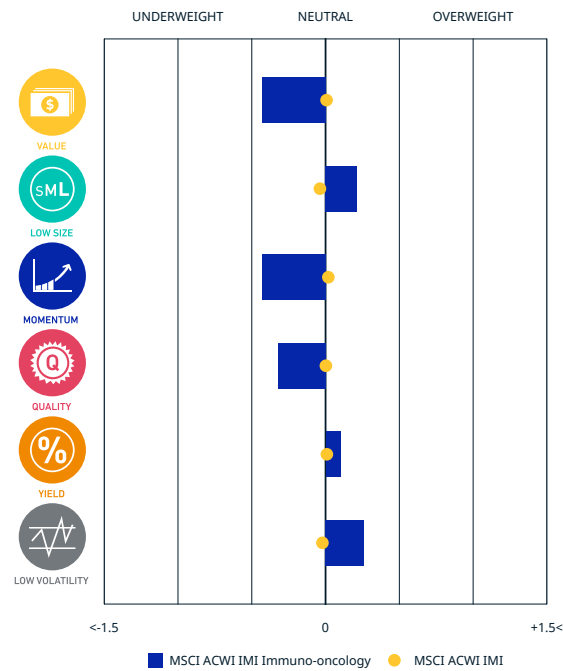
	MSCI ACWI IMI Immuno-oncology	MSCI ACWI IMI
<b>Number of Constituents</b>	45	8,780
	Weight (%)	
<b>Largest</b>	6.38	3.84
<b>Smallest</b>	0.10	0.00
<b>Average</b>	2.22	0.01
<b>Median</b>	1.07	0.00

**TOP 10 CONSTITUENTS**

	Country	Index Wt. (%)	Parent Index Wt. (%)
GILEAD SCIENCES	US	6.38	0.13
BRISTOL-MYERS SQUIBB CO	US	6.38	0.13
ABBVIE	US	6.05	0.42
ROCHE HOLDING GENUSS	CH	5.81	0.25
JOHNSON & JOHNSON	US	5.11	0.45
NOVARTIS	CH	5.08	0.25
AMGEN	US	4.91	0.20
PFIZER	US	4.79	0.19
ASTRAZENECA	GB	4.36	0.26
SAMSUNG BIOLOGICS	KR	4.12	0.02
<b>Total</b>		<b>52.98</b>	<b>2.29</b>

**FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN**

**MSCI FACTOR BOX**



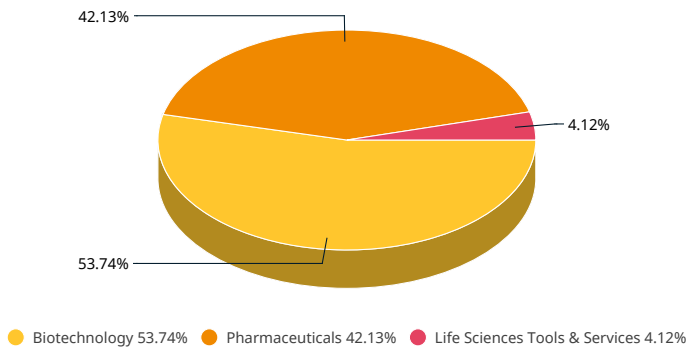
**MSCI FaCS**

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

**SUB-INDUSTRY WEIGHTS**



**MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))**

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

**ABOUT MSCI**

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