

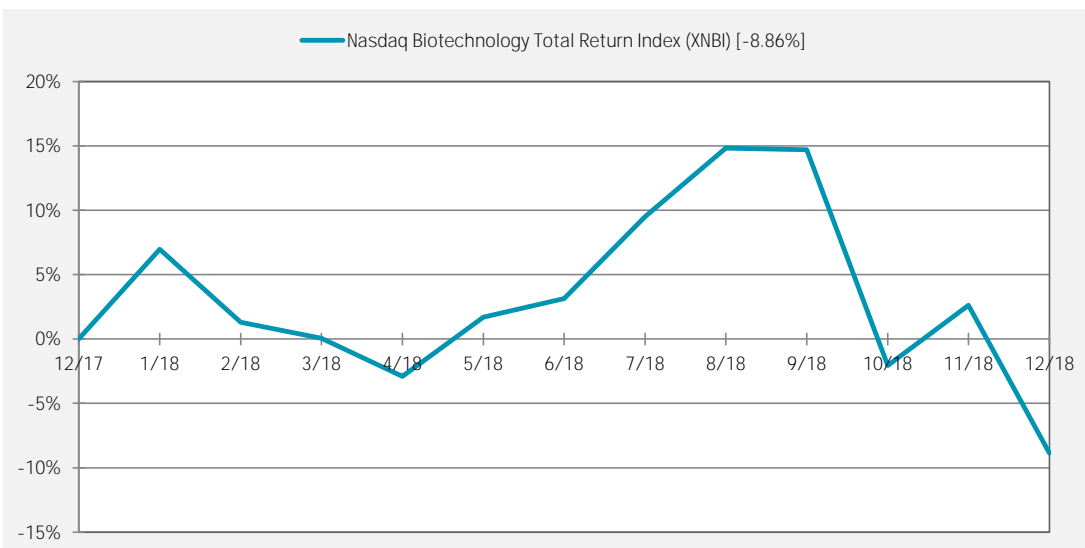


NASDAQ Biotechnology Index

The NASDAQ Biotechnology Index is designed to track the performance of a set of securities listed on The NASDAQ Stock Market® (NASDAQ®) that are classified as either biotechnology or pharmaceutical companies, and is a modified market capitalization weighted index.

More information about the Index can be found at <https://indexes.nasdaqomx.com/Index/Overview/NBI>

1-YEAR PERFORMANCE



QUICK FACTS

Securities: 223
Currency: USD
History: 11/01/1993
YTD Return: -8.86%

INDEX TICKERS

Price Return: NBI
Total Return: XNBI
Net Total Return: N/A

TOP 10 SECURITIES BY WEIGHT

TICKER	SECURITY	WEIGHT
AMGN	AMGEN	8.49%
BIIB	BIOGEN INC CMN	8.19%
GILD	GILEAD SCIENCES; INC	7.90%
CELG	CELGENE CORP	6.47%
ILMN	ILLUMINA; INC.	6.37%
REGN	REGENERON PHARMACEUT	4.64%
VRTX	VERTEX PHARMACEUTIC	4.16%
ALXN	ALEXION PHARM INC	3.31%
BMRN	BIOMARIN PHARMACEUT	2.31%
MYL	MYLAN NV ORD SHS	2.15%

INDUSTRY BREAKDOWN

INDUSTRY	WEIGHT	SECURITIES
Oil & Gas	0.00%	0
Basic Materials	0.00%	0
Industrials	0.00%	0
Consumer Goods	0.00%	0
Health Care	100.00%	223
Consumer Services	0.00%	0
Telecommunications	0.00%	0
Utilities	0.00%	0
Financials	0.00%	0
Technology	0.00%	0

PERFORMANCE(TR Version)

ANNUAL

1 Year	-8.86%
2 Year	21.63%
3 Year	-21.35%
4 Year	11.77%
5 Year	34.40%
6 Year	65.97%
7 Year	32.29%
8 Year	12.08%
9 Year	15.25%
10 Year	15.84%

CUMULATIVE

1 Year	-8.86%
2 Year	10.85%
3 Year	-12.81%
4 Year	-2.55%
5 Year	30.97%
6 Year	117.37%
7 Year	187.56%
8 Year	222.30%
9 Year	271.46%
10 Year	330.29%

ANNUALIZED

1 Year	-8.86%
2 Year	5.29%
3 Year	-4.47%
4 Year	-0.64%
5 Year	5.54%
6 Year	13.82%
7 Year	16.29%
8 Year	15.75%
9 Year	15.70%
10 Year	15.71%

ANNUALIZED VOLATILITY(TR Version)

ANNUAL

1 Year	24.59%
2 Year	16.70%
3 Year	29.98%
4 Year	27.96%
5 Year	25.85%
6 Year	20.74%
7 Year	18.75%
8 Year	25.61%
9 Year	19.97%
10 Year	24.61%

CUMULATIVE

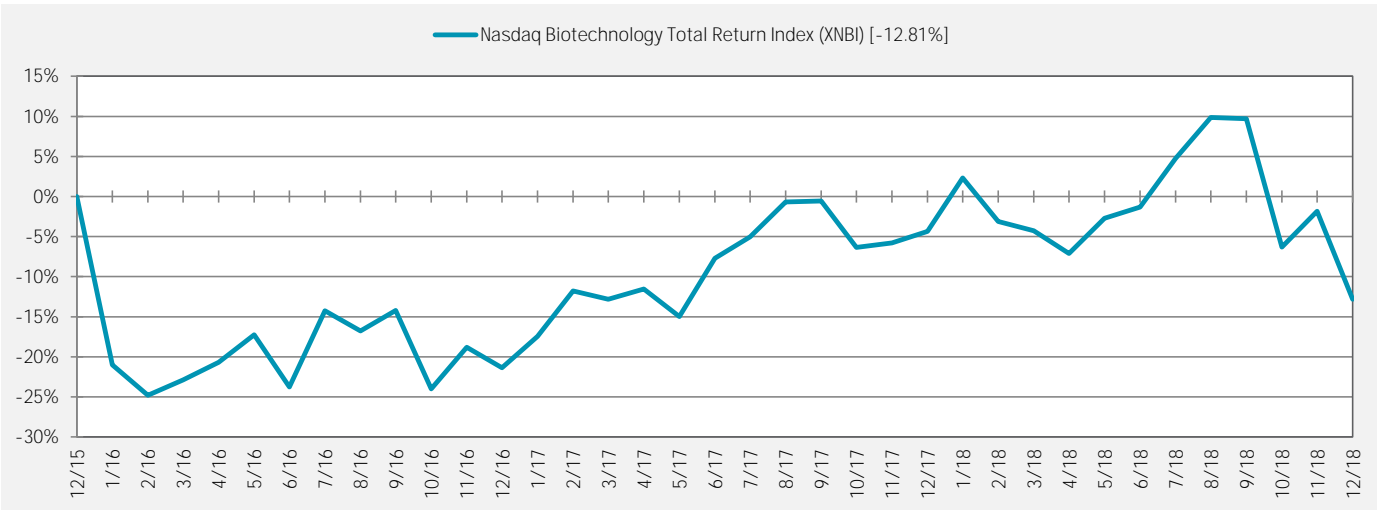
1 Year	24.59%
2 Year	20.96%
3 Year	24.34%
4 Year	25.25%
5 Year	25.38%
6 Year	24.69%
7 Year	23.91%
8 Year	24.12%
9 Year	23.69%
10 Year	23.78%

PERFORMANCE(TR Version)

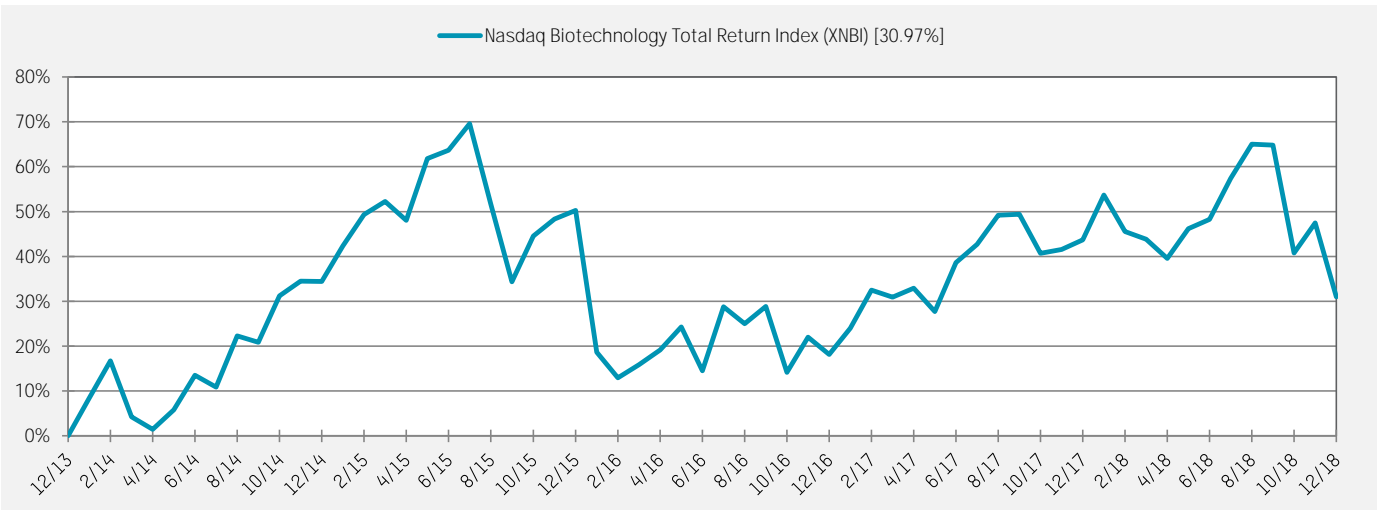
CALENDER YEAR

2018	-8.86%
2017	21.63%
2016	-21.35%
2015	11.77%
2014	34.40%
2013	65.97%
2012	32.29%
2011	12.08%
2010	15.25%
2009	15.84%

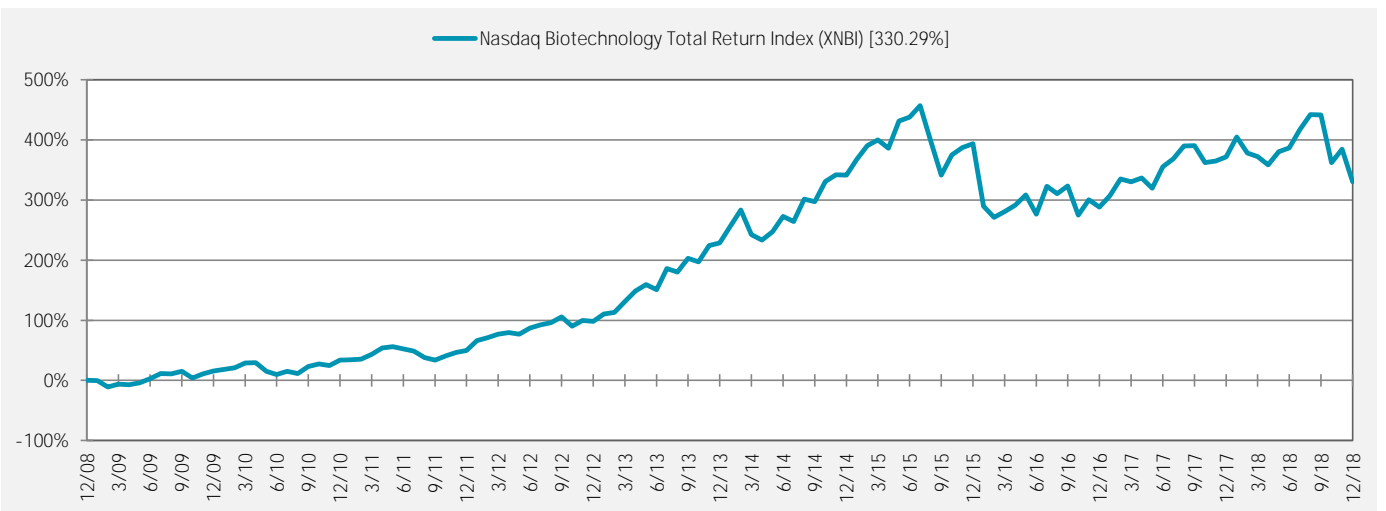
3-YEAR PERFORMANCE



5-YEAR PERFORMANCE



10-YEAR PERFORMANCE



MONTHLY PERFORMANCE(TR Version)

Dec 2018	-11.18%	Aug 2015	-10.55%	Apr 2012	1.63%
Nov 2018	4.76%	Jul 2015	3.58%	Mar 2012	3.57%
Oct 2018	-14.60%	Jun 2015	1.17%	Feb 2012	2.62%
Sep 2018	-0.12%	May 2015	9.28%	Jan 2012	11.22%
Aug 2018	4.87%	Apr 2015	-2.75%	Dec 2011	2.03%
Jul 2018	6.17%	Mar 2015	1.93%	Nov 2011	4.24%
Jun 2018	1.41%	Feb 2015	4.94%	Oct 2011	5.26%
May 2018	4.75%	Jan 2015	5.90%	Sep 2011	-3.05%
Apr 2018	-2.97%	Dec 2014	-0.06%	Aug 2011	-7.37%
Mar 2018	-1.21%	Nov 2014	2.52%	Jul 2011	-2.51%
Feb 2018	-5.30%	Oct 2014	8.52%	Jun 2011	-2.37%
Jan 2018	6.96%	Sep 2014	-1.16%	May 2011	1.66%
Dec 2017	1.53%	Aug 2014	10.31%	Apr 2011	7.33%
Nov 2017	0.60%	Jul 2014	-2.34%	Mar 2011	5.84%
Oct 2017	-5.81%	Jun 2014	7.32%	Feb 2011	1.00%
Sep 2017	0.11%	May 2014	4.26%	Jan 2011	0.41%
Aug 2017	4.59%	Apr 2014	-2.69%	Dec 2010	6.93%
Jul 2017	2.90%	Mar 2014	-10.70%	Nov 2010	-2.13%
Jun 2017	8.56%	Feb 2014	7.68%	Oct 2010	3.61%
May 2017	-3.89%	Jan 2014	8.41%	Sep 2010	10.28%
Apr 2017	1.48%	Dec 2013	1.27%	Aug 2010	-2.83%
Mar 2017	-1.17%	Nov 2013	9.19%	Jul 2010	4.51%
Feb 2017	6.85%	Oct 2013	-2.05%	Jun 2010	-4.50%
Jan 2017	4.96%	Sep 2013	8.22%	May 2010	-10.93%
Dec 2016	-3.15%	Aug 2013	-2.04%	Apr 2010	0.19%
Nov 2016	6.84%	Jul 2013	13.94%	Mar 2010	6.88%
Oct 2016	-11.38%	Jun 2013	-3.14%	Feb 2010	2.21%
Sep 2016	3.07%	May 2013	4.15%	Jan 2010	1.96%
Aug 2016	-2.93%	Apr 2013	7.74%	Dec 2009	4.41%
Jul 2016	12.43%	Mar 2013	8.34%	Nov 2009	6.79%
Jun 2016	-7.83%	Feb 2013	1.44%	Oct 2009	-9.87%
May 2016	4.28%	Jan 2013	6.22%	Sep 2009	3.87%
Apr 2016	2.87%	Dec 2012	-1.05%	Aug 2009	-0.30%
Mar 2016	2.56%	Nov 2012	5.20%	Jul 2009	8.22%
Feb 2016	-4.81%	Oct 2012	-7.44%	Jun 2009	7.17%
Jan 2016	-21.01%	Sep 2012	4.86%	May 2009	3.70%
Dec 2015	1.25%	Aug 2012	1.91%	Apr 2009	-1.20%
Nov 2015	2.62%	Jul 2012	2.95%	Mar 2009	5.42%
Oct 2015	7.61%	Jun 2012	5.56%	Feb 2009	-11.05%
Sep 2015	-11.43%	May 2012	-1.58%	Jan 2009	-0.11%

QUARTERLY PERFORMANCE(TR Version)

Q4 2018	-20.54%
Q3 2018	11.20%
Q2 2018	3.08%
Q1 2018	0.06%
Q4 2017	-3.79%
Q3 2017	7.74%
Q2 2017	5.87%
Q1 2017	10.84%
Q4 2016	-8.31%
Q3 2016	12.50%
Q2 2016	-1.12%
Q1 2016	-22.88%
Q4 2015	11.82%
Q3 2015	-17.93%
Q2 2015	7.53%
Q1 2015	13.27%
Q4 2014	11.19%
Q3 2014	6.49%
Q2 2014	8.89%
Q1 2014	4.25%
Q4 2013	8.30%
Q3 2013	20.78%
Q2 2013	8.69%
Q1 2013	16.74%
Q4 2012	-3.65%
Q3 2012	10.01%
Q2 2012	5.59%
Q1 2012	18.21%
Q4 2011	11.96%
Q3 2011	-12.45%
Q2 2011	6.53%
Q1 2011	7.33%
Q4 2010	8.42%
Q3 2010	11.99%
Q2 2010	-14.79%
Q1 2010	11.39%
Q4 2009	0.50%
Q3 2009	12.07%
Q2 2009	9.81%
Q1 2009	-6.34%

All Information as of 12/31/2018.

Sources: Nasdaq Global Indexes Research. Bloomberg. FactSet.

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NASDAQ GLOBAL INDEXES

1.212.231.5836

GLOBALINDEXES@NASDAQ.COM

NASDAQ LICENSING

1.212.401.8987

NASDAQLICENSING@NASDAQ.COM

INDEX DATA SALES

1.212.231.1588

GISCUSTOMERSERVICE@NASDAQ.COM

CORPORATE HEADQUARTERS | ONE LIBERTY PLAZA 165 BROADWAY NEW YORK, NY 10006

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