

**LifeSci Biotechnology Products Index**  
**LifeSci Biotechnology Clinical Trials Index**  
**Index Semi-Annual Reconstitution (Final)**  
**12/12/2019**

The LifeSci Biotechnology Products Index and the LifeSci Biotechnology Clinical Trials Index will be reconstituted as of the market open on Tuesday, December 17, 2019. All positions will be equally weighted, with weights determined as of the closing prices on Friday, December 13, 2019. The preliminary changes, subject to modification, are summarized below.

LifeSci Biotechnology Clinical Trials Index

Additions (22 stocks):

- AKRO, ARDX, BBIO, CNST, CRSP, CRTX, CVM, DTIL, FIXX, KDMN, KOD, KRTX, NXTC, ODT, PRVB, RIGL, SWTX, TBIO, TPTX, XBIT, YMAB, ZYME

Deletions (20 stocks):

- ABEO, AIMT, AKCA, ARQL, BGNE, BOLD, CBAY, GBT, GRTS, INSM, KALV, KPTI, LJPC, MGTA, PHAS, PRQR, PRTA, PTCT, THOR, XLRN

Summary:

- The updated index will have 96 equal-weighted components (previously 94)
- As of 12/12/2019, the average market cap is approximately \$1.7 billion, and the median market cap is approximately \$1.2 billion.

LifeSci Biotechnology Products Index

Additions (8 stocks):

- AIMT, AKCA, BGNE, GBT, INSM, KPTI, PTCT, XLRN

Deletions (2 stocks):

- MDCO, PBYI

Summary:

- The updated index will have 44 equal-weighted components (previously 38)
- As of 12/12/2019, the average market cap is approximately \$13 billion, and the median market cap is approximately \$3.0 billion.

The LifeSci Biotechnology Indexes are equal-weighted indexes that track the performance of U.S.-listed biotechnology stocks in two distinct stages in the lifecycle of biotechnology companies – Clinical Trials stage and Product stage. The indexes are calculated with a base value of 1,000 as of June 30, 2004 and have an official inception date of November 3, 2014.

LifeSci Biotechnology Clinical Trials Index – All Components (Final) as of December 17, 2019

ACHN, ADVN, AGEN, AKBA, AKRO, ALEC, ALLK, ALLO, AMRS, ANAB, APLS, ARDX, ARNA, ARVN, ARWR, ASMB, ASND, ATNX, ATRA, AUTL, AVRO, AXSM, BBIO, BCRX, BHVN, BLUE, BPMC, CARA, CXXI, CNST, CRBP, CRSP, CRTX, CTMX, CVM, CYTK, DCPH, DNLI, DRNA, DTIL, EIDX, EPZM, ESPR, FATE, FGEN, FIXX, FTSV, GERN, GLYC, GOSS, GTHX, IMGX, IMMUN, IOVA, ITCI, KDMN, KOD, KRTX, KRYS, KURA, MDGL, MGNX, MGTX, MRNA, MRTX, MYOK, MYOV, NXTC, ODT, ORTX, PGNX,

PRNB, PRVB, QURE, RARX, RCKT, RETA, RGNX, RIGL, RYTM, SGMO, SRNE, SWTX, TBIO, TCDA, TGTX, TPTX, UBX, VKTX, VYGR, WVE, XBIT, XNCR, YMAB, ZIOP, ZYME

LifeSci Biotechnology Products Index – All Components (Final) as of December 17, 2019

ACAD, AGIO, ALNY, ALXN, AMGN, BIIB, BMRN, CLVS, ENTA, EXEL, FOLD, GILD, HALO, ICPT, INCY, IONS, IRWD, LGND, LXRX, MNTA, NBIX, NKTR, OMER, PTLA, RARE, RDUS, REGN, RTRX, SAGE, SGEN, SRPT, STML, TBPH, UTHR, VNDA, VRTX, AIMT, AKCA, BGNE, GBT, INSM, KPTI, PTCT, XLRN

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