

**LifeSci Biotechnology Products Index**  
**LifeSci Biotechnology Clinical Trials Index**  
**Semi-Annual Reconstitution (Preliminary)**  
**12/10/2018**

The LifeSci Biotechnology Products Index and the LifeSci Biotechnology Clinical Trials Index will be reconstituted as of the market open on Monday, December 17, 2018. All positions will be equally-weighted, with weights determined as of the closing prices on Thursday, December 13, 2018. The preliminary changes, subject to modification, are summarized below.

LifeSci Biotechnology Clinical Trials Index

Additions (24 stocks):

- ALLK, AMRS, APTX, ASND, ASRT, AUTL, AVRO, CRNX, DRNA, EIDX, KDMN, KNSA, MRKR, NITE, OPTN, PRNB, PRQR, RARX, STIM, SVRA, TCDA, TOCA, UBX, WVE

Deletions (26 stocks):

- ADRO, ADVM, AKAO, ALBO, ALNY, ARRY, AVEO, AXON, BLCM, CBIO, CLSD, ECYT, FOLD, IDRA, LOXO, MLNT, MNOV, MRNS, PIRS, PRTK, RCUS, SELB, SGYP, SYRS, TORC, VSTM

Summary:

- The updated index will have 96 equal-weighted components (previously 98)
- As of 12/10/2018, the average market cap is approximately \$1.1 billion and the median market cap is approximately \$791 million

LifeSci Biotechnology Products Index

Additions (4 stocks):

- ALNY, ARRY, FOLD, LOXO

Deletions (4 stocks):

- DOVA, KERX, RIGL, TSRO

Summary:

- The updated index will have 42 equal-weighted components (previously 42)
- As of 12/10/2018, the average market cap is approximately \$13 billion and the median market cap is approximately \$3.1 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 (Tentative) as of December 17, 2018

ABEO, ACHN, ADAP, AGEN, AIMT, AKBA, AKCA, ALDR, ALLK, AMRS, ANAB, APLS, APTX, ARNA, ARQL, ARWR, ASMB, ASND, ASRT, ATNX, ATRA, AUTL, AVRO, BCRX, BGNE, BHVN, BLUE, BOLD, BPMC, CARA, CBAY, CCXI, CRBP, CRNX, CTMX, CYTK, DCPH, DNLI, DRNA, EIDX, EPZM, ESPR,

FATE, FGEN, FPRX, GBT, GERN, GLYC, GTHX, IMGN, IMMU, INO, INSM, IOVA, ITCI, KDMN, KNSA, KPTI, KURA, LJPC, MDGL, MGNX, MRKR, MRTX, MYOK, NITE, NVAX, OPTN, PGNX, PRNB, PRQR, PRTA, PTCT, QURE, RARX, RCKT, RETA, RGNX, RYTM, SAGE, SGMO, SLDB, SRNE, STIM, STML, SVRA, TCDA, TGTX, TOCA, UBX, VKTX, VYGR, WVE, XLRN, XNCR, ZIOP

LifeSci Biotechnology Products Index – All Components (Tentative) as of December 17, 2018

ACAD, ACOR, AGIO, ALXN, AMGN, BIIB, BMRN, CELG, CLVS, DVAX, ENTA, EXEL, GILD, HALO, ICPT, INCY, IONS, IRWD, LGND, LXRX, MDCO, MNTA, NBIX, NKTR, OMER, ONCE, PBYI, PTLA, RARE, RDUS, REGN, RTRX, SGEN, SRPT, TBPH, UTHR, VNDA, VRTX, ALNY, ARRY, FOLD, LOXO

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