



Reconstitution

Russell Microcap® Index - Deletions

Company	Symbol	Industry
2U INC	TWOU	Consumer Discretionary
ACM RESEARCH	ACMR	Technology
ADMA BIOLOGICS INC	ADMA	Health Care
ADV SOLUTIONS INC (A)	ADV	Industrials
AKLIL INC (A)	AKLI	Industrials
AKOUSTIS TECHNOLOGIES	AKTS	Telecommunications
ALIGOS THERAPEUTICS	ALGS	Health Care
ALLBIRDS	BIRD	Consumer Discretionary
ALLIED GAMING INC	AGAE	Consumer Discretionary
ALLOVIR	ALVR	Health Care
ALTISOURCE ASSET MGMT	AAMC	Financials
AMCON DISTRG CO	DIT	Consumer Staples
AMPLICTECH	AMPG	Industrials
ANI PHARMACEUTICALS INC	ANIP	Health Care
APPTECH PAYMENTS CORP	APCX	Industrials
AQUA METALS INC	AQMS	Utilities
ARENA GROUP HOLDINGS INC	AREN	Technology
ARTESIAN RESOURCES CORP	ARTNA	Utilities
ASHFORD INC	AINC	Financials
ASSERTIO HOLDINGS INC	ASRT	Health Care
ATARA BIOTHERAPEUTICS	ATRA	Health Care
AVALO THERAPEUTICS INC	AVTX	Health Care
AVEPOINT INC (A)	AVPT	Technology
AVIDITY BIOSCIENCES	RNA	Health Care
AZITRA INC	AZTR	Health Care
BARNES & NOBLE EDUCATION	BNED	Consumer Discretionary
BENSON HILL INC	BHIL	Consumer Staples
BIOCARDIA	BCDA	Health Care
BIOVIE	BIVI	Health Care
BM TECHNOLOGIES INC (A)	BMTX	Industrials
BRAINSTORM CELL THERA	BCLI	Health Care
BRIGHT GREEN	BGXX	Health Care
BUTTERFLY NETWORK IN (A)	BFLY	Health Care
CARA THERAPEUTICS INC	CARA	Health Care
CARECLOUD INC	CCLD	Health Care
CAREMAX INC (A)	CMAX	Health Care
CASTELLUM INC	CTM	Consumer Discretionary
CERULEAN PHARMA INC	DARE	Health Care
CHICKEN SOUP ENTMNT INC	CSSE	Consumer Discretionary
CHIMERIX INC	CMRX	Health Care
CITIUS PHARMACEUTICALS	CTXR	Health Care
CLEANSARK	CLSK	Technology
CLEARONE INC	CLRO	Telecommunications
CLEARSIGN TECH CORP	CLIR	Industrials
CLENE INC	CLNN	Health Care
COHEN AND COMPANY	COHN	Financials
COSMOS HEALTH INC	COSM	Consumer Staples
CPS TECHNOLOGIES	CPSH	Basic Materials
CRINETICS PHARMACEUTICAL	CRNX	Health Care



Reconstitution

Russell Microcap® Index - Deletions

Company	Symbol	Industry
CYNGN	CYN	Technology
CYTOSORBENTS CORP	CTSO	Health Care
DANIMER SCI INC (A)	DNMR	Industrials
DATA IO CORP	DAIO	Technology
DAY ONE BIOPHARMACEUTICA	DAWN	Health Care
DELTA APPAREL INC	DLA	Consumer Discretionary
DISTRIBUTION SOLUTIONS	DSGR	Industrials
DORIAN LPG LTD	LPG	Industrials
DRAGONFLY ENERGY (A)	DFLI	Industrials
DURECT CORP	DRRX	Health Care
DYNE THERAPEUTICS	DYN	Health Care
EDGEWISE THERAPEUTICS	EWTX	Health Care
EMCORE CORP	EMKR	Technology
EOS ENERGY (A)	EOSE	Industrials
ESS TECH INC (A)	GWH	Energy
EXAGEN	XGN	Health Care
EXPION360	XPON	Industrials
EYENOVIA INC	EYEN	Health Care
FAT BRANDS	FATBB	Consumer Discretionary
FINANCE OF AMERICAS COMP	FOA	Financials
FINGERMOTION INC	FNGR	Real Estate
FIRST WATCH RESTAURANT G	FWRG	Consumer Discretionary
FLANIGANS ENTERPRISES	BDL	Consumer Discretionary
FLEXIBLE SOLUTIONS INTL	FSI	Basic Materials
FOCUS UNIVERSAL INC	FCUV	Consumer Discretionary
FORESTAR GROUP INC	FOR	Real Estate
FOSSIL GROUP INC	FOSL	Consumer Discretionary
FTC SOLAR	FTCI	Energy
GALECTO	GLTO	Health Care
GEO GROUP INC	GEO	Real Estate
GEVO INC	GEVO	Energy
GLIMPSE GROUP INC	VRAR	Technology
GOLD RESOURCE CORP	GORO	Basic Materials
GOOD TIMES RESTAURANTS	GTIM	Consumer Discretionary
GOSSAMER BIO	GOSS	Health Care
GRITSTONE BIO INC	GRTS	Health Care
HAWKINS INC	HWKN	Basic Materials
HELIX ENERGY SOLUTIONS	HLX	Energy
HOF RSRT AND ENT COM (A)	HOFV	Consumer Discretionary
HOOKIPA PHARMA	HOOK	Health Care
HYDROFARM HOLDINGS	HYFM	Industrials
HYPERFINE INC	HYPR	Health Care
IDEAYA BIOSCIENCES INC	IDYA	Health Care
IES HOLDINGS INC	IESC	Industrials
INCOME OPPORTUNITY REALT	IOR	Real Estate
IND CONTRACT DRILLING	ICD	Energy
INNOVATE CORP	VATE	Industrials
INTERACTIVE STRENGTH INC	TRNR	Consumer Discretionary
JANUX THERAPEUTICS INC	JANX	Health Care



Reconstitution

Russell Microcap® Index - Deletions

Company	Symbol	Industry
KALA BIO INC	KALA	Health Care
KEZAR LIFE SCIENCES	KZR	Health Care
KINETA INC	KA	Health Care
KIRKLANDS INC	KIRK	Consumer Discretionary
KORE GROUP HOLDINGS (A)	KORE	Technology
KOSS	KOSS	Consumer Discretionary
LEMAITRE VASCULAR INC	LMAT	Health Care
LIVEPERSON INC	LPSN	Technology
LONGEVERON	LGVN	Health Care
LOOP MEDIA INC	LPTV	Consumer Discretionary
LUCID DIAGNOSTICS	LUCD	Health Care
MAISON SOLUTIONS	MSS	Consumer Staples
MAWSON INFRASTRUCTURE GR	MIGI	Technology
MEI PHARMA INC	MEIP	Health Care
MERCHANTS BANCORP	MBIN	Financials
MESA AIR GROUP INC	MESA	Consumer Discretionary
MICROVAST HOLDINGS INC	MVST	Industrials
MODINE MANUFACTURING CO	MOD	Industrials
MONTROSE ENVIRONMENTAL G	MEG	Industrials
MOVANO	MOVE	Health Care
MUSTANG BIO	MBIO	Health Care
MYMD PHARMACEUTICALS	MYMD	Health Care
NAPCO SEC TECHNOLOGIES	NSSC	Industrials
NATIONAL WESTERN LIFE	NWLI	Financials
NAUTICUS ROBOTICS INC	KITT	Industrials
NEXTDECADE	NEXT	Energy
NEXTPLAT CORP	NXPL	Telecommunications
ONDAS HOLDINGS	ONDS	Consumer Discretionary
OPTICAL CABLE	OCC	Telecommunications
ORGENESIS INC	ORGS	Health Care
ORIGIN MATERIALS INC (A)	ORGN	Basic Materials
ORION ENERGY SYSTEMS INC	OESX	Industrials
P3 HEALTH PARTNERS (A)	PIII	Health Care
PATRIOT NATIONAL BANCORP	PNBK	Financials
PERELLA WEINBERG PARTNER	PWP	Financials
PHARMACYTE BIOTECH INC	PMCB	Health Care
PHOTRONICS INC	PLAB	Technology
PLBY GROUP INC	PLBY	Consumer Staples
PORTAGE BIOTECH	PRTG	Health Care
POWELL INDUSTRIES INC	POWL	Industrials
PRESTO AUTOMATIONS INC	PRST	Technology
PROFESSIONAL DIVERSITY	IPDN	Industrials
PSYCHEMEDICS CORP	PMD	Health Care
QUANTUM COMPUTING	QUBT	Technology
QUANTUM CORP	QMCO	Technology
RAPID MICRO BIOSYSTEMS	RPID	Health Care
REGIS CORP	RGS	Consumer Discretionary
RENOVORX	RNXT	Health Care
RHYTHM PHARMACEUTICALS	RYTM	Health Care



Reconstitution

Russell Microcap® Index - Deletions

Company	Symbol	Industry
ROCKY MOUNTAIN CHOCOLATE	RMCF	Consumer Staples
RXSIGHT	RXST	Health Care
S&W SEED CO	SANW	Consumer Staples
SADOT GROUP INC	SDOT	Consumer Discretionary
SANGAMO THERAPEUTICS INC	SGMO	Health Care
SENSEI BIOTHERAPEUTICS	SNSE	Health Care
SERES THERAPEUTICS INC	MCRB	Health Care
SHARECARE INC	SHCR	Health Care
SINGULAR GENOMICS SYSTEM	OMIC	Health Care
SKYWARD SPECIALTY INSURA	SKWD	Financials
SMITH MICRO SOFTWARE INC	SMSI	Technology
SOBR SAFE INC	SOBR	Consumer Discretionary
SONIM TECHNOLOGIES	SONM	Telecommunications
SOTHERLY HOTELS INC	SOHO	Real Estate
SPI ENERGY	SPI	Energy
SPLASH BEVERAGE GROUP IN	SBEV	Consumer Staples
SPRUCE BIOSCIENCES	SPRB	Health Care
STERLING INFRASTRUCTURE	STRL	Industrials
STRATA SKIN SCIENCES INC	SSKN	Health Care
STREAMLINE HEALTH	STRM	Technology
SUMMIT THERAPEUTICS INC	SMMT	Health Care
SURF AIR MOBILITY INC	SRFM	Consumer Discretionary
TELESIS BIO INC	TBIO	Health Care
THE CONTAINER STORE GRP	TCS	Consumer Discretionary
THE REAL GOOD FOOD COMPA	RGF	Consumer Staples
THERAPEUTICSMD INC	TXMD	Health Care
TRIO PETROLEUM CORP	TPET	Energy
UFP TECHNOLOGIES INC	UFPT	Health Care
UNITED STATES LIME & MIN	USLM	Industrials
UNITY BIOTECHNOLOGY	UBX	Health Care
UPEXI INC	UPXI	Health Care
URANIUM ENERGY CORP	UEC	Basic Materials
URBAN ONE	UONE	Consumer Discretionary
VELO3D INC (A)	VLD	Industrials
VERA THERAPEUTICS	VERA	Health Care
VICARIOUS SURGICAL (A)	RBOT	Health Care
VINCE HOLDING CORP	VNCE	Consumer Discretionary
VINTAGE WINE ESTATES INC	VWE	Consumer Staples
VIRACTA THERAPEUTICS INC	VIRX	Health Care
VISION MARINE TECHNOLOGI	VMAR	Consumer Discretionary
VITAL ENERGY INC	VTLE	Energy
VOLCON	VLCN	Consumer Discretionary
VOLITIONRX LTD	VNRX	Health Care
WILLAMETTE VLLY VINEYARD	WVVI	Consumer Staples
WORKHORSE GROUP INC	WKHS	Industrials
ZEVIA PBC	ZVIA	Consumer Staples



Reconstitution

For more information about our indexes, please visit lseg.com/ftse-russell.

© 2024 London Stock Exchange Group plc and its applicable group undertakings ("LSEG"). LSEG includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. and FTSE Global Debt Capital Markets Limited (together, "FTSE Canada"), (4) FTSE Fixed Income Europe Limited ("FTSE FI Europe"), (5) FTSE Fixed Income LLC ("FTSE FI"), (6) FTSE (Beijing) Consulting Limited ("WOFE") (7) Refinitiv Benchmark Services (UK) Limited ("RBSL"), (8) Refinitiv Limited ("RL") and (9) Beyond Ratings S.A.S. ("BR"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFE, RBSL, RL, and BR. "FTSE®" "Russell®", "FTSE Russell®", "FTSE4Good®", "ICB®", "Refinitiv", "Beyond Ratings®", "WMRTM", "FRTM" and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of LSEG or their respective licensors and are owned, or used under licence, by FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFE, RBSL, RL or BR. FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator. Refinitiv Benchmark Services (UK) Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

All information is provided for information purposes only. All information and data contained in this publication is obtained by LSEG, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical inaccuracy as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or LSEG Products, or of results to be obtained from the use of LSEG products, including but not limited to indices, rates, data and analytics, or the fitness or suitability of the LSEG products for any particular purpose to which they might be put. The user of the information assumes the entire risk of any use it may make or permit to be made of the information.

No responsibility or liability can be accepted by any member of LSEG nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any inaccuracy (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, indirect, special, consequential or incidental damages whatsoever, even if any member of LSEG is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of LSEG nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset or whether such investment creates any legal or compliance risks for the investor. A decision to invest in any such asset should not be made in reliance on any information herein. Indices and rates cannot be invested in directly. Inclusion of an asset in an index or rate is not a recommendation to buy, sell or hold that asset nor confirmation that any particular investor may lawfully buy, sell or hold the asset or an index or rate containing the asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index and/or rate returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index or rate inception date is back-tested performance. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index or rate was officially launched. However, back-tested data may reflect the application of the index or rate methodology with the benefit of hindsight, and the historic calculations of an index or rate may change from month to month based on revisions to the underlying economic data used in the calculation of the index or rate.

This document may contain forward-looking assessments. These are based upon a number of assumptions concerning future conditions that ultimately may prove to be inaccurate. Such forward-looking assessments are subject to risks and uncertainties and may be affected by various factors that may cause actual results to differ materially. No member of LSEG nor their licensors assume any duty to and do not undertake to update forward-looking assessments.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of LSEG. Use and distribution of LSEG data requires a licence from LSEG and/or its licensors.