

Reconstitution

Russell Microcap® Index - Deletions

Company	Symbol	Industry
9 METERS BIOPHARMA INC	NMTR	Health Care
ABEONA THERAPEUTICS INC	ABEO	Health Care
ACELRX PHARMACEUTICALS	ACRX	Health Care
ACORDA THERAPEUTICS INC	ACOR	Health Care
ACUTUS MEDICAL	AFIB	Health Care
ADITXT INC	ADTX	Health Care
AGEAGLE AERIAL SYSTEMS	UAVS	Industrials
AGEX THERAPEUTICS INC	AGE	Health Care
AGILE THERAPEUTICS INC	AGRX	Health Care
AILERON THERAPEUTICS	ALRN	Health Care
AIR INDS GROUP INC	AIRI	Industrials
AKEBIA THERAPEUTICS INC	AKBA	Health Care
AKERNA CORPORATION (A)	KERN	Technology
ALAUNOS THERAPEUTICS INC	TCRT	Health Care
ALFI	ALF	Technology
ALKALINE WATER CO INC	WTER	Consumer Staples
ALLENA PHARMACEUTICALS	ALNA	Health Care
ALPHA METALLURGICAL RES	AMR	Energy
ALSET EHOME INTERNATIONAL	AEI	Real Estate
ALTAMIRA THERAPEUTICS	CYTO	Health Care
AMERICAN VIR CLOUD TECH	AVCT	Technology
AMESITE	AMST	Consumer Discretionary
AMPHASTAR PHARMA INC	AMPH	Health Care
AMPIO PHARMACEUTICALS	AMPE	Health Care
AMPLICTECH	AMPG	Industrials
APOLLO MEDICAL HOLDINGS	AMEH	Health Care
APPLIED DNA SCIENCES INC	APDN	Industrials
APPLIED UV	AUVI	Consumer Discretionary
APREA THERAPEUTICS	APRE	Health Care
APTEVO THERAPEUTICS INC	APVO	Health Care
ARCADIA BIOSCIENCES INC	RKDA	Consumer Staples
ARCH RESOURCES INC	ARCH	Energy
ARDELYX INC	ARDX	Health Care
ARIDIS PHARMACEUTICALS	ARDS	Health Care
ASENSUS SURGICAL INC	ASXC	Health Care
ASPEN GROUP INC	ASPU	Consumer Discretionary
ASPIRA WOMENS HEALTH INC	AWH	Health Care
ASTROTECH CORP	ASTC	Industrials
ATHENEX	ATNX	Health Care
ATHERSYS INC	ATHX	Health Care
AUDDIA	AUUD	Consumer Discretionary
AVALO THERAPEUTICS INC	AVTX	Health Care
AVALON GLOBOCARE CORP	AVCO	Real Estate
AVENUE THERAPEUTICS	ATXI	Health Care
AVINGER INC	AVGR	Health Care
AYTU BIOPHARMA INC	AYTU	Health Care
BAUDAX BIO	BXRX	Health Care
BEAUTY HEALTH CO	SKIN	Consumer Staples
BELLEROPHON THERA INC	BLPH	Health Care

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Company	Symbol	Industry
BENITEC BIOPHARMA ADS	BNTC	Health Care
BIO PATH HOLDINGS	BPTH	Health Care
BIOCARDIA	BCDA	Health Care
BIOCEPT INC	BIOC	Health Care
BIORA THERAPEUTICS INC	BIOR	Health Care
BIOSIG TECHNOLOGIES INC	BSGM	Health Care
BITNILE HOLDINGS INC	NILE	Industrials
BLUEJAY DIAGNOSTICS INC	BJDX	Health Care
BSQUARE CORP	BSQR	Technology
CALADRIUS BIOSCIENCES	CLBS	Health Care
CALITHERA BIOSCIENCES	CALA	Health Care
CALYXT	CLXT	Consumer Staples
CASI PHARMACEUTICALS INC	CASI	Health Care
CATALYST BIOSCIENCES INC	CBIO	Health Care
CBDMD INC	YCBD	Health Care
CELLECTAR BIOSCIENCES	CLRB	Health Care
CELSION CORPORATION	CLSN	Health Care
CHEMBIO DIAGNOSTICS INC	CEMI	Health Care
CIDARA THERAPEUTICS INC	CDTX	Health Care
CINEDIGM DIGITAL CINEMA	CIDM	Consumer Discretionary
CIVITAS RESOURCES INC	CIVI	Energy
CLEARONE INC	CLRO	Telecommunications
CNS PHARMACEUTICALS	CNSP	Health Care
COCRYSTAL PHARMA	COCP	Health Care
COHBAR INC	CWBR	Health Care
COHEN AND COMPANY	COHN	Financials
COLOR STAR TECHNOLOGY	CSCW	Consumer Discretionary
COMSOVEREIGN HOLDING	COMS	Telecommunications
CONSOL ENERGY INC	CEIX	Energy
CONTEXT THERAPEUTICS	CNTX	Health Care
CORBUS PHARMACEUTICALS	CRBP	Health Care
CREATD	CRTD	Technology
CRESCENT ENERGY COMPANY	CRGY	Energy
CROWN ELECTROKINETICS	CRKN	Technology
CUENTAS	CUEN	Industrials
CUSTOMERS BANCORP INC	CUBI	Financials
CYCLACEL PHARMA	CYCC	Health Care
CYCLERION THERAPEUTICS	CYCN	Health Care
CYCLO THERAPEUTICS	CYTH	Health Care
DATA IO CORP	DAIO	Technology
DERMATA THERAPEUTICS	DRMA	Health Care
DIGITAL BRANDS GROUP INC	DBGI	Consumer Discretionary
DOLPHIN ENTERTAINMENT	DLPN	Consumer Discretionary
DSS INC	DSS	Industrials
DUOS TECHNOLOGIES GROUP	DUOT	Technology
DURECT CORP	DRRX	Health Care
EARTHSTONE ENERGY INC	ESTE	Energy
EKSO BIONICS HOLDINGS	EKSO	Health Care
ELECTROCORE INC	ECOR	Health Care

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Company	Symbol	Industry
ELITE EDUCATION GROUP IN	EEIQ	Consumer Discretionary
ELOXX PHARMACEUTICALS	ELOX	Health Care
EMAGIN CORP	EMAN	Technology
ENDRA LIFE SCIENCES	NDRA	Health Care
ENVERIC BIOSCIENCES INC	ENVB	Health Care
EPIZYME INC	EPZM	Health Care
ESPORTS ENTERTAINMENT GR	GMBL	Consumer Discretionary
EUROPEAN WAX CENTER	EW CZ	Consumer Discretionary
EVERI HOLDINGS INC	EVRI	Consumer Discretionary
EVOFEM BIOSCIENCES INC	EVFM	Health Care
EVOKE PHARMA INC	EVOK	Health Care
EXELA TECHNOLOGIES	XELA	Technology
EXICURE	XCUR	Health Care
EXPRO GROUP HOLDINGS NV	XPRO	Energy
EZFILL HOLDINGS	EZFL	Consumer Discretionary
FEDNAT HOLDING COMPANY	FNHC	Financials
FEMASYS	FEMY	Health Care
FG FINANCIAL GROUP INC	FGF	Financials
FGI INDUSTRIES	FGI	Industrials
FLEXSHOPPER	FPAY	Consumer Discretionary
FORTE BIOSCIENCES INC	FBRX	Health Care
FRANCHISE GROUP	FRG	Consumer Discretionary
GAUCHO GROUP HOLDINGS IN	VINO	Real Estate
GBS	GBS	Health Care
GENIUS BRANDS INTL	GNUS	Consumer Discretionary
GEOVAX LABS	GOVX	Health Care
GLYCOMIMETICS INC	GLYC	Health Care
GOGO INC	GOGO	Telecommunications
GRAYBUG VISION	GRAY	Health Care
GREEN PLAINS INC	GP RE	Energy
GREENLANE HOLDINGS	GNLN	Consumer Staples
GUARDION HEALTH SCIENCES	GHSI	Consumer Staples
HEALTHCARE TRIANGLE	HCTI	Technology
HEARTBEAM	BEAT	Health Care
HELIUS MEDICAL TECHNOLOG	HS DT	Health Care
HIGHPEAK ENERGY INC (A)	HPK	Energy
HILLSTREAM BIOPHARMA	HILS	Health Care
HOF RSRT AND ENT COM (A)	HOFV	Consumer Discretionary
HOTH THERAPEUTICS	HOTH	Health Care
HYRECAR INC	HYRE	Consumer Discretionary
IBIO	IBIO	Health Care
IDEANOMICS INC	IDEX	Industrials
IDERA PHARMACEUTICALS	IDRA	Health Care
IF BANCORP INC	IROQ	Financials
IMAC HOLDINGS	IMAC	Health Care
IMMIX BIOPHARMA	IMMX	Health Care
IMPAC MTG HLDGS INC	IMH	Financials
INDIA GLOBALIZATION CAP	IGC	Industrials
INFINITY PHARMACEUTICALS	INFI	Health Care

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INHIBIKASE THERAPEUTICS	IKT	Health Care
INNSUITES HOSPITALITY	IHT	Consumer Discretionary
INPIXON	INPX	Technology
INVO BIOSCIENCE	INVO	Health Care
ISPECIMEN	ISPC	Health Care
IVERIC BIO	ISEE	Health Care
JAGUAR HEALTH INC	JAGX	Health Care
JEWETT-CAMERON TRADING	JCTCF	Industrials
JUPITER WELLNESS	JUPW	Health Care
KALA PHARMACEUTICALS	KALA	Health Care
KASPIEN HOLDINGS	KSPN	Consumer Discretionary
KFORCE INC	KFRC	Industrials
KIDPIK	PIK	Consumer Discretionary
KINETIK HOLDINGS INC (A)	KNTK	Energy
KINTARA THERAPEUTICS	KTRA	Health Care
KIROMIC BIOPHARMA	KRBP	Health Care
KUBIENT	KBNT	Technology
LAIRD SUPERFOOD	LSF	Consumer Staples
LANNETT CO INC	LCI	Health Care
LANTHEUS HOLDINGS INC	LNTH	Health Care
LIVEONE INC	LVO	Consumer Discretionary
LIXTE BIOTECHNOLOGY HOLD	LIXT	Health Care
LOGICBIO THERAPEUTICS	LOGC	Health Care
LSB INDUSTRIES INC	LXU	Basic Materials
MARKER THERAPEUTICS INC	MRKR	Health Care
MARPAI	MRAI	Health Care
MEI PHARMA INC	MEIP	Health Care
META MATERIALS INC	MMAT	Basic Materials
METACRINE	MTCR	Health Care
MICT INC	MICT	Industrials
MIND MEDICINE MINDMED	MNMD	Health Care
MIND TECHNOLOGY INC	MIND	Energy
MINERVA NEUROSCIENCES	NERV	Health Care
MONOPAR THERAPEUTICS	MNPR	Health Care
MOTUS GI HOLDINGS INC	MOTS	Health Care
MOVING IMAGE TECHNOLOGIE	MITQ	Consumer Discretionary
MUSTANG BIO	MBIO	Health Care
MYOMO	MYO	Health Care
MYR GROUP INC	MYRG	Industrials
NABORS INDUSTRIES LTD	NBR	Energy
NANOVIRICIDES INC	NNVC	Health Care
NANTHEALTH INC	NH	Health Care
NAVIDEA BIOPHARMA INC	NAVB	Health Care
NEPHROS	NEPH	Health Care
NEUROBO PHARMACEUTICALS	NRBO	Health Care
NEWAGE INC	NBEV	Consumer Staples
NEXPOINT RESIDENTIAL TR	NXRT	Real Estate
NEXTPLAY TECH INC	NXTP	Consumer Discretionary
NORTHERN OIL & GAS INC	NOG	Energy

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Company	Symbol	Industry
NUZEE	NUZE	Consumer Staples
NV5 GLOBAL INC	NVEE	Industrials
OBLONG	OBLG	Technology
OLB GROUP	OLB	Industrials
ONCORUS	ONCR	Health Care
ONCOSEC MED INC	ONCS	Health Care
ONTRAK INC	OTRK	Health Care
OPGEN INC	OPGN	Health Care
ORGANOVO HLDGS INC	ONVO	Health Care
PALISADE BIO	PALI	Health Care
PANBELA THERAPEUTICS	PBLA	Health Care
PARAMOUNT GOLD NEVADA	PZG	Basic Materials
PASITHEA THERAPEUTICS CO	KTTA	Health Care
PATRIOT NATIONAL BANCORP	PNBK	Financials
PATRIOT TRANSPORT HLDG	PATI	Industrials
PEABODY ENERGY CORP	BTU	Energy
PENNSYLVANIA REAL ESTATE	PEI	Real Estate
PETROS PHARMACEUTICALS	PTPI	Health Care
PHIO PHARMACEUTICALS COR	PHIO	Health Care
PINEAPPLE ENERGY INC	PEGY	Energy
PLUS THERAPEUTICS INC	PSTV	Health Care
PRECIPIO	PRPO	Health Care
PREDICTIVE ONCOLOGY INC	POAI	Health Care
PREFERRED APT CMNTYS INC	APTS	Real Estate
PULMATRIX INC	PULM	Health Care
QUALIGEN THERAPEUTICS	QLGN	Health Care
QUMU CORPORATION	QUMU	Technology
QUOTIENT LIMITED	QTNT	Health Care
RADIUS GLOBAL INFRASTRUC	RADI	Real Estate
RANGER OIL CORP	ROCC	Energy
READY CAPITAL CORP	RC	Financials
REALNETWORKS INC	RNWK	Technology
REEDS INC	REED	Consumer Staples
REGIONAL HEALTH PPTYS	RHE	Real Estate
REMARK HOLDINGS INC	MARK	Technology
RENOVORX	RNXT	Health Care
REVIVA PHARMA HOLDINGS	RVPH	Health Care
SALARIUS PHARMACEUTICALS	SLRX	Health Care
SCOPUS BIOPHARMA	SCPS	Health Care
SEELOS THERAPEUTICS INC	SEEL	Health Care
SELECTA BIOSCIENCES INC	SELB	Health Care
SEQLL	SQL	Health Care
SESEN BIO INC	SESN	Health Care
SEVEN HILLS REALTY TRUST	SEVN	Financials
SHIFTPIXY	PIXY	Industrials
SIFCO INDUSTRIES	SIF	Industrials
SIGMA LABS	SASI	Technology
SILVERSON TECHNOLOGIES	SSNT	Technology
SINTX TECHNOLOGIES INC	SINT	Health Care

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Company	Symbol	Industry
SIO GENE THERAPIES INC	SIOX	Health Care
SOCKET MOBILE	SCKT	Industrials
SOLENO THERAPEUTICS INC	SLNO	Health Care
SOLID BIOSCIENCES INC	SLDB	Health Care
SOLIGENIX INC	SNGX	Health Care
SPAR GROUP INC	SGRP	Consumer Discretionary
SPECTRUM PHARMACEUTICALS	SPPI	Health Care
STAGWELL INC	STGW	Consumer Discretionary
STATERA BIOPHARMA INC	STAB	Health Care
STOCK YARDS BANCORP INC	SYBT	Financials
STONEX GROUP INC	SNEX	Financials
SUMMER INFANT	SUMR	Consumer Discretionary
SURGALIGN HOLDINGS INC	SRGA	Health Care
T2 BIOSYSTEMS INC	TTOO	Health Care
TALIS BIOMEDICAL	TLIS	Health Care
TAYLOR DEVICES INC	TAYD	Industrials
TELLURIAN INC	TELL	Energy
TENAX THERAPEUTICS INC	TENX	Health Care
THERAPEUTICSMD INC	TXMD	Health Care
TIMBER PHARMACEUTICALS	TMBR	Health Care
TIVIC HEALTH SYSTEMS	TIVC	Health Care
TOMI ENVIRONMENTAL SOLUT	TOMZ	Industrials
TONIX PHARMACEUTICALS	TNXP	Health Care
TREVENA INC	TRVN	Health Care
TRIUMPH GROUP INC	TGI	Industrials
TROIKA MEDIA GROUP INC	TRKA	Consumer Discretionary
TRXADE HEALTH INC	MEDS	Health Care
TWIN VEE POWERCATS	VEEE	Consumer Discretionary
TYME	TYME	Health Care
U S SILICA HLDGS INC	SLCA	Basic Materials
UNICYCIVE THERAPEUTICS	UNCY	Health Care
UNIQUE FABRICATING INC	UFAB	Consumer Discretionary
VAXCYTE	PCVX	Health Care
VERB TECHNOLOGY COMPANY	VERB	Technology
VERIFYME	VRME	Technology
VERITIV CORPORATION	VRTV	Industrials
VISLINK TECHNOLOGIES	VISL	Telecommunications
VTV THERAPEUTICS INC	VTVT	Health Care
VYANT BIO INC	VYNT	Health Care
VYNE THERAPEUTICS INC	VYNE	Health Care
WAITR HOLDINGS INC	WTRH	Technology
WARRIOR MET COAL INC	HCC	Energy
WEBER	WEBR	Consumer Discretionary
WHEELER REAL ESTATE TR	WHLR	Real Estate
WINDTREE THERAPEUTICS	WINT	Health Care
WISA TECHNOLOGIES INC	WISA	Technology
XCEL BRANDS INC	XELB	Consumer Discretionary
XTANT MEDICAL HOLDINGS	XTNT	Health Care
YIELD10 BIOSCIENCE	YTEN	Consumer Staples



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Company	Symbol	Industry
YUMANITY THERAPEUTICS IN	YMTX	Health Care
ZOVIO INC	ZVO	Consumer Discretionary

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For more information about our indexes, please visit ftserussell.com.

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