

Reconstitution

Russell Microcap® Index - Deletions

Company	Symbol	Sector
ACTINIUM PHARMACEUTICALS	ATNM	Health Care
AEROVIRONMENT INC	AVAV	Producer Durables
ALAMO GROUP INC	ALG	Producer Durables
ALTIMMUNE INC	ALT	Health Care
ANAPTYS BIO INC	ANAB	Health Care
APELLIS PHARMACEUTICALS	APLS	Health Care
APPFOLIO INC	APPF	Technology
APPTIO INC	APTI	Technology
ARCBEST CORPORATION	ARCB	Producer Durables
ARENA PHARMACEUTICALS	ARNA	Health Care
ASCENT CAPITAL GROUP INC	ASCMA	Producer Durables
ASTA FDG INC	ASFI	Financial Services
ATARA BIOTHERAPEUTICS	ATRA	Health Care
AUDENTES THERAPEUTICS	BOLD	Health Care
AXOGEN INC	AXGN	Health Care
BIOCEPT INC	BIOC	Health Care
BIOTELEMETRY INC	BEAT	Health Care
BLACK BOX CORP	BBOX	Technology
BLUCORA INC	BCOR	Technology
CAFEPRESS INC	PRSS	Consumer Discretionary
CALIFORNIA RESOURCES	CRC	Energy
CANCER GENETICS INC	CGIX	Health Care
CDTI ADVANCED MATERIALS	CDTI	Consumer Discretionary
CELLDEX THERAPEUTICS INC	CLDX	Health Care
CESCA THERAPEUTICS INC	KOOL	Health Care
CHEROKEE INC	CHKE	Consumer Discretionary
CO-DIAGNOSTICS INC	CODX	Health Care
CONTINENTAL MATERIALS	CUO	Materials & Processing
CPI CARD GROUP INC	PMTS	Financial Services
CURIS INC	CRIS	Health Care
CYTORI THERAPEUTICS INC	CYTX	Health Care
DETERMINE INC	DTRM	Technology
DGSE COMPANIES INC	DGSE	Consumer Discretionary
DIFFUSION PHARMA	DFFN	Health Care
DITECH HOLDING CORP	DHCP	Financial Services
DSP GROUP INC	DSPG	Technology
DYNAVAX TECHNOLOGIES	DVAX	Health Care
EGALET CORPORATION	EGLT	Health Care
ENANTA PHARMACEUTICALS	ENTA	Health Care
ENERGY FOCUS INC	EFOI	Materials & Processing
ENGLOBAL CORP	ENG	Producer Durables
ESPERION THERAPEUTICS	ESPR	Health Care
EVERBRIDGE INC	EVBG	Technology
FB FINANCIAL CORP	FBK	Financial Services
FIRST BANCORP NC	FBNC	Financial Services
G1 THERAPEUTICS	GTHX	Health Care
GASTAR EXPL INC	GST	Energy
GEE GROUP	JOB	Producer Durables
GENOCEA BIOSCIENCES INC	GNCA	Health Care

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HERON THERAPEUTICS INC	HRTX	Health Care
HIGH POINT RESOURCES	HPR	Energy
HOME FEDERAL BANCORP INC	HFBL	Financial Services
ICONIX BRAND GROUP INC	ICON	Consumer Discretionary
IDEAL POWER INC	IPWR	Producer Durables
IMMUNOGEN INC	IMGN	Health Care
IMMUNOMEDICS INC	IMMU	Health Care
INSTRUCTURE INC	INST	Consumer Discretionary
INTELLICHECK INC	IDN	Technology
INTELSAT SA	I	Utilities
INTERSECT ENT INC	XENT	Health Care
INTRA CELLULAR THERAPIES	ITCI	Health Care
INUVO INC	INUV	Technology
INVIVO THERAPEUTICS HLDG	NVIV	Health Care
IOVANCE BIOTHERAPEUTICS	IOVA	Health Care
IPASS INC	IPAS	Utilities
IRHYTHM TECHNOLOGIES INC	IRTC	Health Care
JONES ENERGY INC	JONE	Energy
JW MAYS INC	MAYS	Financial Services
KEMET CORP	KEM	Technology
KINSALE CAPITAL GROUP	KNSL	Financial Services
KRATOS DEFENSE & SEC SOL	KTOS	Producer Durables
LGI HOMES INC	LGIH	Consumer Discretionary
LIPOCINE INC	LPCN	Health Care
LIVE OAK BANCSHARES INC	LOB	Financial Services
LIVEPERSON INC	LPSN	Technology
MADRIGAL PHARMACEUTICALS	MDGL	Health Care
MAGYAR BANCORP INC	MGYR	Financial Services
MAMMOTH ENERGY SERVICES	TUSK	Energy
MATINAS BIOPHARMA HLDG	MTNB	Health Care
MEDIFAST INC	MED	Consumer Staples
MGP INGREDIENTS INC	MGPI	Consumer Staples
MILESTONE SCIENTIFIC INC	MLSS	Health Care
MYOKARDIA INC	MYOK	Health Care
NANOVIRICIDES INC	NNVC	Health Care
NATIONAL AMERN UNIV	NAUH	Consumer Discretionary
NAVIOS MARITIME ACQUIS	NNA	Producer Durables
NAVIOS MARITIME HOLDINGS	NM	Producer Durables
NEONODE INC	NEON	Technology
NETLIST INC	NLST	Technology
NEURALSTEM INC	CUR	Health Care
OCEANFIRST FINANCIAL	OCFC	Financial Services
ONCOBIOLOGICS INC	ONS	Health Care
ONCOCYTE CORPORATION	OCX	Health Care
ORION ENERGY SYSTEMS INC	OESX	Materials & Processing
OVASCIENCE INC	OVAS	Health Care
OXBRIDGE RE HLDGS LTD	OXBR	Financial Services
PARKER DRILLING CO	PKD	Energy
PARKERVISION INC	PRKR	Technology

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PAVMED INC	PAVM	Health Care
PJT PARTNERS INC	PJT	Financial Services
PROFESSIONAL DIVERSITY	IPDN	Technology
PROS HOLDINGS INC	PRO	Technology
PTC THERAPEUTICS INC	PTCT	Health Care
PULMATRIX INC	PULM	Health Care
QUOTIENT LIMITED	QTNT	Health Care
RADISYS CORP	RSYS	Technology
REGENXBIO INC	RGNX	Health Care
REGULUS THERAPEUTICS	RGLS	Health Care
RESEARCH FRONTIERS INC	REFR	Technology
RESHAPE LIFESCIENCES INC	RSLS	Health Care
RETRACTABLE TECHNOLOGIES	RVP	Health Care
REVANCE THERAPEUTICS INC	RVNC	Health Care
SAEXPLORATION HOLDINGS	SAEX	Energy
SANGAMO THERAPEUTICS INC	SGMO	Health Care
SEACOAST BANKING CORP FL	SBCF	Financial Services
SENDGRID INC	SEND	Technology
SENSTECH INC	SNES	Health Care
SINO-GLOBAL SHIPPING	SINO	Producer Durables
SPECTRUM PHARMACEUTICALS	SPPI	Health Care
STRONGBRIDGE BIOPHARMA	SBBP	Health Care
SUMMER INFANT INC	SUMR	Consumer Discretionary
SUNRUN INC	RUN	Energy
SUNWORKS INC	SUNW	Energy
SYSTEMAX INC	SYX	Producer Durables
TALOS ENERGY INC	TALO	Energy
TITAN PHARMACEUTICALS	TTNP	Health Care
TONIX PHARMACEUTICALS	TNXP	Health Care
U S PHYSICAL THERAPY INC	USPH	Health Care
UNIQUE NV	QURE	Health Care
UNIVERSAL INSURANCE	UVE	Financial Services
VARONIS SYSTEMS INC	VRNS	Technology
VBI VACCINES INC	VBIV	Health Care
VICOR CORP	VICR	Producer Durables
VIVUS INC	VVUS	Health Care
WAVE LIFE SCIENCES LTD	WVE	Health Care
WESTWATER RESOURCES INC	WWR	Materials & Processing
WINNEBAGO INDUSTRIES INC	WGO	Consumer Discretionary
WORKIVA INC	WK	Technology
XPRESSPA GROUP INC	XSPA	Technology
ZOGENIX INC	ZGNX	Health Care



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