

# Reconstitution

## Russell Microcap® Index - Additions

Company	Symbol	Sector
22ND CENTURY GROUP INC	XXII	Consumer Staples
ACHILLION PHARM	ACHN	Health Care
ADVANCED EMISSIONS SLTNS	ADES	Producer Durables
AEHR TEST SYSTEMS	AEHR	Technology
AKOUSTIS TECHNOLOGIES	AKTS	Technology
ALBIREO PHARMA INC	ALBO	Health Care
AMERICAN RENAL ASSOC HLD	ARA	Health Care
ANTARES PHARMA INC	ATRS	Health Care
APOLLO ENDOSURGERY INC	APEN	Health Care
APPTIO INC	APTI	Technology
APTEVO THERAPEUTICS INC	APVO	Health Care
AQUABOUTY TECHNOLOGIES	AQB	Consumer Staples
ASV HOLDINGS INC	ASV	Producer Durables
ATARA BIOTHERAPEUTICS	ATRA	Health Care
AUXILIO INC	AUXO	Health Care
AVIAT NETWORKS INC	AVNW	Technology
BABCOCK & WILCOX ENT	BW	Producer Durables
BANCORP 34 INC	BCTF	Financial Services
BARNES & NOBLE INC	BKS	Consumer Discretionary
BEBE STORES INC	BEBE	Consumer Discretionary
BELLEROPHON THERA INC	BLPH	Health Care
BIOCEPT INC	BIOC	Health Care
BIOHAVEN PHARMACEUTICAL	BHVN	Health Care
BLUELINX HOLDINGS INC	BXC	Materials & Processing
BROADWAY FINANCIAL CORP	BYFC	Financial Services
CALADRIUS BIOSCIENCES	CLBS	Health Care
CALIFORNIA RESOURCES	CRC	Energy
CAPITAL SENIOR LIVING	CSU	Health Care
CARDCONNECT CORP	CCN	Financial Services
CAROLINA TR BANCSHARES	CART	Financial Services
CASTLE BRANDS INC	ROX	Consumer Staples
CATALYST PHARMACEUTICALS	CPRX	Health Care
CATASYS INC	CATS	Health Care
CEMPRA INC	CEMP	Health Care
CEMTREX INC	CETX	Producer Durables
CENTRAL FEDERAL CORP	CFBK	Financial Services
CENTRUS ENERGY CORP	LEU	Energy
CESCA THERAPEUTICS INC	KOOL	Health Care
CITIZENS FIRST CORP	CZFC	Financial Services
CLEAN DIESEL TECH	CDTI	Consumer Discretionary
CLEVELAND BIOLABS INC	CBLI	Health Care
COGENTIX MEDICAL INC	CGNT	Health Care
COMMUNITY FIRST BANCSHS	CFBI	Financial Services
COMSTOCK RESOURCES INC	CRK	Energy
CONDOR HOSPITALITY TRUST	CDOR	Financial Services
CONTINENTAL MATERIALS	CUO	Materials & Processing
CROCS INC	CROX	Consumer Discretionary
CRYOPORT INC	CYRX	Producer Durables
CSP INC	CSPI	Technology

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CTI BIOPHARMA CORP	CTIC	Health Care
DASEKE INC	DSKE	Producer Durables
DATA IO CORP	DAIO	Technology
DETERMINE INC	DTRM	Technology
DGSE COMPANIES INC	DGSE	Consumer Discretionary
DIFFUSION PHARMA	DFFN	Health Care
DIGILITI MONEY GROUP INC	DGLT	Financial Services
DORIAN LPG LTD	LPG	Producer Durables
DRIVE SHACK	DS	Consumer Discretionary
EAGLE BULK SHIPPING INC	EGLE	Producer Durables
EASTMAN KODAK CO	KODK	Consumer Discretionary
ECLIPSE RESOURCES CORP	ECR	Energy
EKSO BIONICS HOLDINGS	EKSO	Health Care
ELEVATE CREDIT INC	ELVT	Financial Services
ELEVEN BIOTHERAPEUTICS	EBIO	Health Care
EMERSON RADIO CORP	MSN	Consumer Discretionary
EMMIS COMMUNICATIONS	EMMS	Consumer Discretionary
ENTEROMEDICS INC	ETRM	Health Care
ENVIROSTAR INC	EVI	Producer Durables
EQUITABLE FINANCIAL CORP	EQFN	Financial Services
FARMERS & MERCHANTS BNCP	FMAO	Financial Services
FARO TECHNOLOGIES INC	FARO	Producer Durables
FNB BANCORP	FNBG	Financial Services
FORM HOLDINGS CORP	FH	Technology
FUSION TELECOM INC	FSNN	Utilities
GENCO SHIPPING & TRADING	GNK	Producer Durables
GENER8 MARITIME INC	GNRT	Producer Durables
GLEN BURNIE BANCORP	GLBZ	Financial Services
GLOBAL EAGLE ENTMT INC	ENT	Technology
GNC HLDGS INC	GNC	Consumer Staples
GTX INC	GTXI	Health Care
GUARANTY BANCSHARES INC	GNTY	Financial Services
HIBBETT SPORTS INC	HIBB	Consumer Discretionary
HISTOGENICS CORP	HSGX	Health Care
HTG MOLECULAR	HTGM	Health Care
HV BANCORP INC	HVBC	Financial Services
ICC HOLDINGS INC	ICCH	Financial Services
IDENTIV INC	INVE	Technology
IMMUNOGEN INC	IMGN	Health Care
INSPIRED ENTERTAINMENT	INSE	Consumer Discretionary
INTELLA THERAPEUTICS INC	NTLA	Health Care
INTELLICHECK INC	IDN	Technology
INTRA CELLULAR THERAPIES	ITCI	Health Care
ISSUER DIRECT CORP	ISDR	Technology
JJILL INC	JILL	Consumer Discretionary
KALVISTA PHARMACEUTICALS	KALV	Health Care
KEY ENERGY SERVICES INC	KEG	Energy
KFORCE INC	KFRC	Producer Durables
KLONDEX MINES LTD	KLDX	Materials & Processing

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LANTRONIX INC	LTRX	Technology
LEAP THERAPEUTICS	LPTX	Health Care
LIGHTPATH TECHNOLOGIES	LPTH	Producer Durables
LILIS ENERGY INC	LLEX	Energy
LIMBACH HOLDINGS INC	LMB	Producer Durables
LONESTAR RESOURCES	LONE	Energy
LONG ISLAND ICED TEA	LTEA	Consumer Staples
LUNA INNOVATIONS INC	LUNA	Producer Durables
MADRIGAL PHARMACEUTICALS	MDGL	Health Care
MARRONE BIO INNOVATIONS	MBII	Materials & Processing
MASTECH DIGITAL INC	MHH	Producer Durables
MATINAS BIOPHARMA HLDG	MTNB	Health Care
MDC CORP	MDCA	Consumer Discretionary
MERRIMACK PHARMACEUTICAL	MACK	Health Care
MGC DIAGNOSTICS CORP	MGCD	Health Care
MIDSTATES PETROLEUM CO	MPO	Energy
MIRAGEN THERAPEUTICS	MGEN	Health Care
NANTHEALTH INC	NH	Health Care
NANTKWEST INC	NK	Health Care
NATERA INC	NTRA	Health Care
NATIONAL CINEMEDIA INC	NCMI	Consumer Discretionary
NEURALSTEM INC	CUR	Health Care
NEUROTROPE INC	NTRP	Health Care
NEW AGE BEVERAGES CORP	NBEV	Consumer Staples
NI HOLDINGS INC	NODK	Financial Services
NOVA LIFESTYLE INC	NVfy	Consumer Discretionary
NOVABAY PHARMACEUTICALS	NBY	Health Care
NOVAVAX INC	NVAX	Health Care
NOVELION THERAPEUTICS	NVLN	Health Care
OCEAN BIO-CHEM INC	OBCI	Consumer Staples
ODYSSEY MARINE	OMEX	Producer Durables
OMINTO INC	OMNT	Technology
ONCOBIOLOGICS INC	ONS	Health Care
ONVIA INC	ONVI	Producer Durables
OPHTHOTECH CORP	OPHT	Health Care
OREXIGEN THERAPEUTICS	OREX	Health Care
OTTAWA BANCORP INC	OTTW	Financial Services
OVERSEAS SHIPHOLDING INC	OSG	Producer Durables
OVID THERAPEUTICS INC	OVID	Health Care
PAVMED INC	PAVM	Health Care
PCSB FINANCIAL CORP	PCSB	Financial Services
PDL BIOPHARMA INC	PDLI	Health Care
PENDRELL CORP	PCO	Technology
PENN VIRGINIA CORP	PVAC	Energy
PERNIX THERAPEUTICS HLDG	PTX	Health Care
POLARITYTE INC	COOL	Technology
PROFESSIONAL DIVERSITY	IPDN	Technology
PROPHASE LABS INC	PRPH	Health Care
QUANTUM CORP	QTM	Technology

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QUEST RESOURCE HOLDING	QRHC	Producer Durables
QUOTIENT LIMITED	QTNT	Health Care
R1 RCM INC	RCM	Health Care
RAYONIER ADV MATERIALS	RYAM	Materials & Processing
REGIS CORP	RGS	Consumer Discretionary
REVEN HOUSING REIT INC	RVEN	Financial Services
REXAHN PHARMACEUTICALS	RNN	Health Care
ROOT9B HOLDINGS INC	RTNB	Producer Durables
ROSEHILL RESOURCES INC	ROSE	Energy
SAEXPLORATION HOLDINGS	SAEX	Energy
SANDRIDGE ENERGY INC	SD	Energy
SAVARA INC	SVRA	Health Care
SEACOR HOLDINGS INC	CKH	Producer Durables
SEACOR MARINE HOLDINGS	SMHI	Energy
SERES THERAPEUTICS INC	MCRB	Health Care
SHARPSRING INC	SHSP	Technology
SIEBERT FINANCIAL CORP	SIEB	Financial Services
SILVER SPRING NETWORKS	SSNI	Technology
SILVERBOW RESOURCES	SBOW	Energy
SINO-GLOBAL SHIPPING	SINO	Producer Durables
SOLARIS OILFIELD	SOI	Energy
SOPHIRIS BIO INC	SPHS	Health Care
STONE ENERGY CORP	SGY	Energy
SUMMER INFANT INC	SUMR	Consumer Discretionary
SUNESIS PHARMACEUTICALS	SNSS	Health Care
SUNRUN INC	RUN	Energy
SUPPORT.COM INC	SPRT	Technology
TAPIMMUNE INC	TPIV	Health Care
TOCAGEN INC	TOCA	Health Care
TORCHLIGHT ENERGY	TRCH	Energy
TRANSATLANTIC PETROLEUM	TAT	Energy
TREDEGAR CORP	TG	Materials & Processing
TUCOWS INC	TCX	Technology
UNIQUE NV	QUIRE	Health Care
URANIUM ENERGY CORP	UEC	Materials & Processing
URANIUM RESOURCES	URRE	Materials & Processing
US GEOTHERMAL INC	HTM	Energy
VALERITAS HOLDINGS INC	VLRX	Health Care
VASCO DATA SECURITY INTL	VDSI	Technology
VERITONE INC	VERI	Technology
VERSO CORPORATION	VRS	Materials & Processing
VITAMIN SHOPPE INC	VSI	Consumer Discretionary
VIVEVE MEDICAL INC	VIVE	Health Care
WIRELESS TELECOM GROUP	WTT	Producer Durables
WVS FINANCIAL CORP	WVFC	Financial Services
XOMA CORP	XOMA	Health Care
ZOSANO PHARMA CORP	ZSAN	Health Care



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