

Reconstitution

Russell 3000® Index - Additions

Company	Symbol	Sector
10X GENOMICS	TXG	Health Care
A MARK PRECIOUS METALS	AMRK	Consumer Discretionary
ACCEL ENTERTAINMENT (A)	ACEL	Consumer Discretionary
ADAMS RESOURCES & ENERGY	AE	Energy
ADAPTHEALTH	AHCO	Health Care
AGILE THERAPEUTICS INC	AGRX	Health Care
AGROFRESH SOLUTIONS INC	AGFS	Materials & Processing
AKERNA CORPORATION (A)	KERN	Technology
ALASKA COMMUNICATIONS	ALSK	Utilities
ALPHA PRO TECH LTD	APT	Materials & Processing
ALPINE INCOME PROPERTY T	PINE	Financial Services
ALTA EQUIPMENT GROUP (A)	ALTG	Consumer Discretionary
AMCOR	AMCR	Materials & Processing
API GROUP	APG	Producer Durables
APOLLO GLOBAL MANAGEMENT	APO	Financial Services
APPLIED GENETIC TECH	AGTC	Health Care
APTINYX INC	APTX	Health Care
AQUESTIVE THERAPEUTICS	AQST	Health Care
ARAVIVE INC	ARAV	Health Care
ARBOR REALTY TRUST INC	ABR	Financial Services
ARCTURUS THERAPEUTICS	ARCT	Health Care
ASPEN AEROGELS INC	ASPN	Materials & Processing
ASPEN GROUP INC	ASPU	Consumer Discretionary
ASPIRA WOMENS HEALTH INC	AWH	Health Care
ASURE SOFTWARE INC	ASUR	Technology
ATLANTICUS HOLDINGS	ATLC	Financial Services
ATOMERA LIMITED	ATOM	Technology
AUBURN NATL BANCORP	AUBN	Financial Services
AVENUE THERAPEUTICS	ATXI	Health Care
AVEO PHARMACEUTICALS INC	AVEO	Health Care
AYTU BIOSCIENCE INC	AYTU	Health Care
BELLEROPHON THERA INC	BLPH	Health Care
BEYOND AIR INC	XAIR	Health Care
BIGLARI HOLDINGS A	BH.A	Consumer Discretionary
BOGOTA FINANCIAL	BSBK	Financial Services
BRAINSTORM CELL THERA	BCLI	Health Care
BROADMARK REALTY CAP (A)	BRMK	Financial Services
BROOKFIELD INFRASTRUCTUR	BIPC	Utilities
CALEDONIA MINING CORP	CMCL	Materials & Processing
CALIFORNIA BANCORP	CALB	Financial Services
CARLYLE GROUP INC	CG	Financial Services
CASSAVA SCIENCES INC	SAVA	Health Care
CATABASIS PHARACEUTICALS	CATB	Health Care
CATALYST BIOSCIENCES INC	CBIO	Health Care
CB FINL SVCS INC	CBFV	Financial Services
CHAMPIONS ONCOLOGY INC	CSBR	Health Care
CHEMBIO DIAGNOSTICS INC	CEMI	Health Care
CHOICEONE FINANCIAL SERV	COFS	Financial Services
CIDARA THERAPEUTICS INC	CDTX	Health Care

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CITIZENS HLDG CO MISS	CIZN	Financial Services
CLOUDFLARE	NET	Technology
CO-DIAGNOSTICS INC	CODX	Health Care
COHBAR INC	CWBR	Health Care
CONTANGO OIL & GAS CO	MCF	Energy
CONTRAFECT CORP	CFRX	Health Care
COUNTY BANCORP INC	ICBK	Financial Services
CROWDSTRIKE HOLDINGS	CRWD	Technology
CYBEROPTICS CORP	CYBE	Technology
DATADOG	DDOG	Technology
DELMAR BANCORP	DBCP	Financial Services
DERMTECH INC	DMTK	Health Care
DURECT CORP	DRRX	Health Care
DYADIC INTERNATIONAL	DYAI	Health Care
EAGLE BANCORP MONT INC	EBMT	Financial Services
EASTMAN KODAK CO	KODK	Consumer Discretionary
ELECTROMED INC	ELMD	Health Care
ELLINGTON RESIDENTIAL	EARN	Financial Services
ENVELA	ELA	Consumer Discretionary
ETON PHARMACEUTICALS	ETON	Health Care
EXICURE	XCUR	Health Care
EXONE COMPANY	XONE	Producer Durables
FASTLY	FSLY	Technology
FENNEC PHARMACEUTICALS	FENC	Health Care
FIRST CMNTY CORP SC	FCCO	Financial Services
FIRST SAVINGS FINANCIAL	FSFG	Financial Services
FIRST UNITED CORP	FUNC	Financial Services
FIRST WESTERN FINANCIAL	MYFW	Financial Services
FIVE STAR SENIOR LIVING	FVE	Health Care
FONAR CORP	FONR	Health Care
FORTRESS BIOTECH INC	FBIO	Health Care
FRANCHISE GROUP	FRG	Consumer Discretionary
FRONTLINE LTD	FRO	Producer Durables
FUELCELL ENERGY INC	FCEL	Energy
FULGENT GENETICS INC	FLGT	Health Care
GAN	GAN	Technology
GENASYS INC	GNSS	Technology
GENPREX INC	GNPX	Health Care
GLOBALSCAPE INC	GSB	Technology
GLOBANT SA	GLOB	Technology
GREENSKY	GSKY	Financial Services
GRID DYN HOLDINGS (A)	GDYN	Technology
GROWGENERATION	GRWG	Consumer Staples
HARROW HEALTH INC.	HROW	Health Care
HARVARD BIOSCIENCE INC	HBIO	Health Care
HC2 HLDGS INC	HCHC	Producer Durables
IBIO	IBIO	Health Care
ICAD INC	ICAD	Health Care
IDEAYA BIOSCIENCES INC	IDYA	Health Care

Reconstitution

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IHEARTMEDIA	IHRT	Consumer Discretionary
IMARA	IMRA	Health Care
IMMUNIC INC	IMUX	Health Care
IMMUNOVANT INC	IMVT	Health Care
INFUSYSTEM HLDGS INC	INFU	Health Care
INTELLICHECK INC	IDN	Technology
INTEVAC INC	IVAC	Technology
IVERIC BIO	ISEE	Health Care
KEROS THERAPEUTICS	KROS	Health Care
KKR & CO INC	KKR	Financial Services
LAKELAND INDUSTRIES INC	LAKE	Consumer Discretionary
LANDMARK BANCORP INC	LARK	Financial Services
LIMESTONE BANCORP INC	LMST	Financial Services
LSI INDUSTRIES INC	LYTS	Materials & Processing
LUNA INNOVATIONS INC	LUNA	Producer Durables
LYRA THERAPEUTICS	LYRA	Health Care
MASTECH DIGITAL INC	MHH	Producer Durables
MERIDIAN CORPORATION	MRBK	Financial Services
MIDDLEFIELD BANC CORP	MBCN	Financial Services
MILESTONE SCIENTIFIC INC	MLSS	Health Care
MIMECAST LTD	MIME	Technology
MONEYGRAM INTERNATIONAL	MGI	Financial Services
NANTHEALTH INC	NH	Health Care
NANTKWEST INC	NK	Health Care
NAUTILUS INC	NLS	Consumer Discretionary
NEMAURA MEDICAL INC	NMRD	Health Care
NEOLEUKIN THERAPEUTICS	NLTX	Health Care
NESCO HOLDINGS INC (A)	NSCO	Producer Durables
NEUBASE THERAPEUTICS	NBSE	Health Care
NEUROBO PHARMACEUTICALS	NRBO	Health Care
NYMOX PHARMACEUTICAL	NYMX	Health Care
OCONEE FEDERAL FINANCIAL	OFED	Financial Services
ORGENESIS INC	ORGS	Health Care
ORIC PHARMACEUTICALS	ORIC	Health Care
ORION ENERGY SYSTEMS INC	OESX	Producer Durables
OVID THERAPEUTICS INC	OVID	Health Care
OVINTIV INC	OVV	Energy
PAE INCORPORATED (A)	PAE	Producer Durables
PANGAEA LOGS SOLUTIONS	PANL	Producer Durables
PARK CITY GROUP INC	PCYG	Technology
PASSAGE BIO	PASG	Health Care
PAVMED INC	PAVM	Health Care
PCTEL INC	PCTI	Technology
PELOTON INTERACTIVE	PTON	Consumer Discretionary
PFSWEB INC	PFSW	Producer Durables
PINTEREST	PINS	Technology
PIXELWORKS INC	PXLW	Technology
PLUMAS BANCORP	PLBC	Financial Services
PLYMOUTH INDUSTRIAL REIT	PLYM	Financial Services

Reconstitution

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Company	Symbol	Sector
POWERFLEET INC	PWFL	Technology
PRIMO WATER	PRMW	Consumer Staples
PROTARA THERAPEUTICS INC	TARA	Health Care
PROVENTION BIO INC	PRVB	Health Care
QUANTUM CORP	QMCO	Technology
QUOTIENT LIMITED	QTNT	Health Care
RANPAK HOLDINGS (A)	PACK	Materials & Processing
RED VIOLET	RDVT	Technology
RELMADA THERAPEUTICS	RLMD	Health Care
REPAY HOLDINGS CORP (A)	RPAY	Financial Services
REPRO MED SYSTEMS	KRMD	Health Care
RESEARCH FRONTIERS INC	REFR	Technology
RESONANT INC	RESN	Technology
RETRACTABLE TECHNOLOGIES	RVP	Health Care
SALISBURY BANCORP INC	SAL	Financial Services
SAPIENS INTL CORP NV	SPNS	Technology
SB FINL GROUP INC	SBFG	Financial Services
SCPHARMACEUTICALS INC	SCPH	Health Care
SEACHANGE INTERNATIONAL	SEAC	Technology
SECURITY NATL FINL CORP	SNFCA	Financial Services
SELECTA BIOSCIENCES INC	SELB	Health Care
SERVICESTOURCE INTL	SREV	Producer Durables
SHARPS COMPLIANCE CORP	SMED	Producer Durables
SLACK TECHNOLOGIES	WORK	Technology
SMITH MICRO SOFTWARE INC	SMSI	Technology
SOLAREGE TECHNOLOGIES	SEDG	Energy
SOLENO THERAPEUTICS INC	SLNO	Health Care
STANDARD AVB FINANCIAL	STND	Financial Services
STEREOTAXIS	STXS	Health Care
STONECO	STNE	Technology
SUPER MICRO COMPUTER INC	SMCI	Technology
SWK HOLDINGS	SWKH	Financial Services
TELA BIO	TELA	Health Care
TRADEWEB MARKETS	TW	Financial Services
TURTLE BEACH CORP	HEAR	Technology
ULTRALIFE CORPORATION	ULBI	Producer Durables
UNIVERSAL TECHNICAL INST	UTI	Consumer Discretionary
US AUTO PARTS NETWRK INC	PRTS	Consumer Discretionary
VAXART INC	VXRT	Health Care
VENUS CONCEPT	VERO	Health Care
VERASTEM INC	VSTM	Health Care
VERICITY	VERY	Financial Services
VERITONE INC	VERI	Technology
VERTIV HOLDINGS CO (A)	VRT	Technology
VERU INC	VERU	Consumer Staples
VIEMED HEALTHCARE	VMD	Health Care
VIRGIN GALACTIC HLDG (A)	SPCE	Producer Durables
VIVINT SMART HOME (A)	VVNT	Producer Durables
VOLITIONRX LTD	VNRX	Health Care

Reconstitution

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VOXX INTERNATIONAL CORP	VOXX	Consumer Discretionary
VTV THERAPEUTICS INC	VTVT	Health Care
WORKHORSE GROUP INC	WKHS	Producer Durables
XOMA CORP	XOMA	Health Care
XPEL INC	XPEL	Consumer Discretionary
ZENTALIS PHARMACEUTICALS	ZNTL	Health Care
ZOOM VIDEO COMMUNICATION	ZM	Technology

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