

New York, November 07, 2019

MSCI US Equity Indexes

The following are changes in constituents for the MSCI US Equity Indexes which will take place as of the close of November 26, 2019.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

Index	Nb of Securities Added	Nb of Securities Deleted
MSCI US PRIME MARKET 750 INDEX	16	12
MSCI US SMALL CAP 1750 INDEX	73	35
MSCI US INVESTABLE MARKET 2500 INDEX	68	26
MSCI US MICRO CAP INDEX	20	33

MSCI US PRIME MARKET 750 INDEX

Additions

BLACKSTONE GROUP  
ZOOM VIDEO COMM A  
LYFT A  
INSULET CORP  
MEDICAL PROPERTIES TRUST  
APOLLO GLOBAL MGMT A  
STORE CAPITAL  
BRIGHT HORIZONS FAMILY  
POOL CORP  
OLD REPUBLIC INTL CORP  
COLUMBIA SPORTSWEAR CO  
PROOFPOINT  
BEYOND MEAT  
PRA HEALTH SCIENCES  
TRADEWEB MARKETS A  
ANAPLAN

Deletions

STERICYCLE  
ACUITY BRANDS  
HIGHWOODS PROPERTIES  
STERLING BANCORP (NEW)  
MACQUARIE INFRA CORP  
ANGI HOMESERVICES A  
LOGMEIN  
MURPHY OIL CORP  
NEKTAR THERAPEUTICS  
ALKERMES  
FLUOR CORP  
CHEMOURS CO

MSCI US SMALL CAP 1750 INDEX

Additions

STERICYCLE  
ACUITY BRANDS  
HIGHWOODS PROPERTIES  
STERLING BANCORP (NEW)  
MACQUARIE INFRA CORP  
ANGI HOMESERVICES A  
LOGMEIN  
PARSONS CORP  
MURPHY OIL CORP  
NEKTAR THERAPEUTICS  
GROCERY OUTLET HOLDING  
ALKERMES  
FLUOR CORP  
OPTION CARE HEALTH  
CHEMOURS CO  
PAGERDUTY  
REALREAL (THE)  
VIPER ENERGY PARTNERS A  
CHANGE HEALTHCARE  
REVOLVE GROUP A  
SAFETY INCOME & GROWTH  
TURNING POINT  
VERACYTE  
DICERNA PHARMACEUTICALS  
ARQULE  
CLEAR CHANNEL OUTDOOR  
BOOT BARN HOLDINGS  
SILK ROAD MEDICAL  
FOCUS FINANCIAL PRTRNS A  
PALOMAR HOLDINGS  
STOKE THERAPEUTICS  
KODIAK SCIENCES

Deletions

INSULET CORP  
MEDICAL PROPERTIES TRUST  
STORE CAPITAL  
BRIGHT HORIZONS FAMILY  
POOL CORP  
OLD REPUBLIC INTL CORP  
COLUMBIA SPORTSWEAR CO  
PROOFPOINT  
PRA HEALTH SCIENCES  
MANNKIND CORP  
HAMILTON BEACH BRANDS A  
PICO HOLDINGS  
TILE SHOP HLDGS  
ROCKWELL MEDICAL  
YRC WORLDWIDE  
PARETEUM CORP  
NOVAVAX  
ABEONA THERAPEUTICS  
FRONTIER COMMUNICATIONS  
NCS MULTISTAGE HOLDINGS  
ASCENA RETAIL GROUP  
TRANSENTERIX  
SILVERBOW RESOURCES  
MAMMOTH ENERGY SERVICES  
ADURO BIOTECH  
ASSERTIO THERAPEUTICS  
KEZAR LIFE SCIENCES  
WAITR HOLDINGS  
LSC COMMUNICATIONS  
CERENCE  
ORGANOGENESIS A  
PQ GROUP HOLDINGS

VERICEL CORP  
 ROCKET PHARMACEUTICALS  
 RATTLER MIDSTREAM  
 QUINSTREET  
 TECHTARGET  
 ELLINGTON FINANCIAL  
 DIAMOND S SHIPPING  
 NEXTCURE  
 TARGET HOSPITALITY CORP  
 AKERO THERAPEUTICS  
 DIGITAL TURBINE  
 BANK FIRST CORPORATION  
 EVERQUOTE A  
 MAXAR TECHNOLOGIES(US)  
 PRIMO WATER CORP  
 CHEMOCENTRYX  
 STEMLINE THERAPEUTICS  
 TURNING POINT BRANDS  
 VISHAY PRECISION GROUP  
 BRIGHAM MINERALS A  
 GLOBAL MEDICAL REIT  
 INTELLIGENT SYSTEMS  
 MORPHIC HOLDING  
 AVEDRO  
 LEGACY HOUSING  
 KADMON HOLDINGS  
 VERRICA PHARMACEUTICALS  
 TRANSMEDICS GROUP  
 PERSONALIS  
 NEW FORTRESS ENERGY A  
 KARUNA THERAPEUTICS  
 PREVAIL THERAPEUTICS  
 HOME BANCORP  
 OPPENHEIMER HOLDINGS A  
 PCSB FINANCIAL  
 TITAN MACHINERY  
 BRIDGEWATER BANCSHARES  
 SOLARIS OILFIELD INFRA A  
 ALLIED MOTION TECH  
 EAGLE BULK SHIPPING  
 MEDICINOVA

RESOLUTE FOREST PRODUCTS  
 TFS FINANCIAL  
 UTD STATES LIME & MRLS

#### MSCI US INVESTABLE MARKET 2500 INDEX

##### Additions

BLACKSTONE GROUP  
 ZOOM VIDEO COMM A  
 LYFT A  
 APOLLO GLOBAL MGMT A  
 BEYOND MEAT  
 TRADEWEB MARKETS A  
 ANAPLAN  
 PARSONS CORP  
 GROCERY OUTLET HOLDING  
 OPTION CARE HEALTH  
 PAGERDUTY  
 REALREAL (THE)  
 VIPER ENERGY PARTNERS A  
 CHANGE HEALTHCARE  
 REVOLVE GROUP A  
 SAFETY INCOME & GROWTH  
 TURNING POINT  
 VERACYTE  
 DICERNA PHARMACEUTICALS  
 ARQULE  
 CLEAR CHANNEL OUTDOOR  
 BOOT BARN HOLDINGS  
 SILK ROAD MEDICAL  
 FOCUS FINANCIAL PRTNRS A  
 PALOMAR HOLDINGS  
 STOKES THERAPEUTICS  
 KODIAK SCIENCES  
 VERICEL CORP  
 ROCKET PHARMACEUTICALS  
 RATTLER MIDSTREAM

##### Deletions

MANNKIND CORP  
 HAMILTON BEACH BRANDS A  
 PICO HOLDINGS  
 TILE SHOP HLDGS  
 ROCKWELL MEDICAL  
 YRC WORLDWIDE  
 PARETEUM CORP  
 NOVAVAX  
 ABEONA THERAPEUTICS  
 FRONTIER COMMUNICATIONS  
 NCS MULTISTAGE HOLDINGS  
 ASCENA RETAIL GROUP  
 TRANSENTERIX  
 SILVERBOW RESOURCES  
 MAMMOTH ENERGY SERVICES  
 ADURO BIOTECH  
 ASSERTIO THERAPEUTICS  
 KEZAR LIFE SCIENCES  
 WAITR HOLDINGS  
 LSC COMMUNICATIONS  
 CERENCE  
 ORGANOGENESIS A  
 PQ GROUP HOLDINGS  
 RESOLUTE FOREST PRODUCTS  
 TFS FINANCIAL  
 UTD STATES LIME & MRLS

QUINSTREET  
 TECHTARGET  
 ELLINGTON FINANCIAL  
 DIAMOND S SHIPPING  
 NEXTCURE  
 TARGET HOSPITALITY CORP  
 AKERO THERAPEUTICS  
 DIGITAL TURBINE  
 BANK FIRST CORPORATION  
 EVERQUOTE A  
 MAXAR TECHNOLOGIES(US)  
 PRIMO WATER CORP  
 CHEMOCENTRYX  
 STEMLINE THERAPEUTICS  
 TURNING POINT BRANDS  
 VISHAY PRECISION GROUP  
 BRIGHAM MINERALS A  
 GLOBAL MEDICAL REIT  
 INTELLIGENT SYSTEMS  
 MORPHIC HOLDING  
 AVEDRO  
 LEGACY HOUSING  
 KADMON HOLDINGS  
 VERRICA PHARMACEUTICALS  
 TRANSMEDICS GROUP  
 PERSONALIS  
 NEW FORTRESS ENERGY A  
 KARUNA THERAPEUTICS  
 PREVAIL THERAPEUTICS  
 HOME BANCORP  
 OPPENHEIMER HOLDINGS A  
 PCSB FINANCIAL  
 TITAN MACHINERY  
 BRIDGEWATER BANCSHARES  
 SOLARIS OILFIELD INFRA A  
 ALLIED MOTION TECH  
 EAGLE BULK SHIPPING  
 MEDICINOVA

MSCI US MICRO CAP INDEX

Additions

MANNKIND CORP  
 HAMILTON BEACH BRANDS A  
 PICO HOLDINGS  
 TILE SHOP HLDGS  
 ROCKWELL MEDICAL  
 YRC WORLDWIDE  
 PARETEUM CORP  
 NOVAVAX  
 ABEONA THERAPEUTICS  
 FRONTIER COMMUNICATIONS  
 NCS MULTISTAGE HOLDINGS  
 ASCENA RETAIL GROUP  
 TRANSENTERIX  
 SILVERBOW RESOURCES  
 MAMMOTH ENERGY SERVICES  
 ADURO BIOTECH  
 ASSERTIO THERAPEUTICS  
 KEZAR LIFE SCIENCES  
 WAITR HOLDINGS  
 LSC COMMUNICATIONS

Deletions

OPTION CARE HEALTH  
 SAFETY INCOME & GROWTH  
 VERACYTE  
 DICERNA PHARMACEUTICALS  
 ARQULE  
 BOOT BARN HOLDINGS  
 VERICEL CORP  
 ROCKET PHARMACEUTICALS  
 QUINSTREET  
 TECHTARGET  
 PRIMO WATER CORP  
 CHEMOCENTRYX  
 STEMLINE THERAPEUTICS  
 TURNING POINT BRANDS  
 VISHAY PRECISION GROUP  
 HOME BANCORP  
 OPPENHEIMER HOLDINGS A  
 PCSB FINANCIAL  
 TITAN MACHINERY  
 SOLARIS OILFIELD INFRA A  
 ALLIED MOTION TECH  
 EAGLE BULK SHIPPING  
 MEDICINOVA  
 DIGIRAD CORP  
 ADVAXIS  
 YIELD10 BIOSCIENCE  
 WESTWATER RESOURCES  
 TRANS WORLD ENTMT CORP  
 DESTINATION MATERNITY  
 BARNWELL INDUSTRIES  
 CLEVELAND BIOLABS  
 GREENPRO CAPITAL  
 NEONODE



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