

New York, November 11, 2021

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 30, 2021.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

Index	Nb of Securities Added	Nb of Securities Deleted
MSCI US PRIME MARKET 750 INDEX	20	21
MSCI US SMALL CAP 1750 INDEX	141	97
MSCI US INVESTABLE MARKET 2500 INDEX	133	90
MSCI US MICRO CAP INDEX	112	9

MSCI US PRIME MARKET 750 INDEX

Additions

AIRBNB A
DOORDASH A
COINBASE GLOBAL A
AFFIRM HOLDINGS A
LUCID GROUP A
ROBINHOOD MARKETS A
UPSTART HOLDINGS
UIPATH A
GINKGO BIOWORKS A
ASANA A
SOFI TECHNOLOGIES
REPLIGEN CORP
LPL FINANCIAL HOLDINGS
MARQETA A
AXON ENTERPRISE
FRESHWORKS A
TREX COMPANY
FIVE9
DIGITALOCEAN HOLDINGS
NEW YORK TIMES CO A

Deletions

PVH CORP
STARWOOD PROPERTY TRUST
AMERICAN CAMPUS CMNTY
SKECHERS USA A
OGE ENERGY CORP
BUMBLE INC A
INGREDION INC
ROYAL GOLD
COLUMBIA SPORTSWEAR CO
BOSTON BEER A
LEGGETT & PLATT
SONOCO PRODUCTS CO
REYNOLDS CONSUMER PRDCTS
HANESBRANDS
HARLEY-DAVIDSON
VIMEO
BWX TECHNOLOGIES
CDK GLOBAL HOLDINGS
TERMINIX GLOBAL HOLDINGS
TILRAY SV 2
NVR

MSCI US SMALL CAP 1750 INDEX

Additions

PVH CORP
STARWOOD PROPERTY TRUST
AMERICAN CAMPUS CMNTY
TASKUS A
SKECHERS USA A
OGE ENERGY CORP
FRONTIER COMMUNICATIONS
BUMBLE INC A
AMPLITUDE A
CHARGEPOINT HOLDINGS
INGREDION INC
ROYAL GOLD
COLUMBIA SPORTSWEAR CO
BOSTON BEER A
PETCO HEALTH A
CHESAPEAKE ENERGY CORP
LEGGETT & PLATT
SONOCO PRODUCTS CO
REYNOLDS CONSUMER PRDCTS
FIGS A
HANESBRANDS
BLUE OWL CAPITAL A
HARLEY-DAVIDSON
VIMEO
BWX TECHNOLOGIES
HAYWARD HLDGS
CDK GLOBAL HOLDINGS

Deletions

UPSTART HOLDINGS
ASANA A
REPLIGEN CORP
LPL FINANCIAL HOLDINGS
AXON ENTERPRISE
TREX COMPANY
FIVE9
NEW YORK TIMES CO A
WATERSTONE FINANCIAL
MASTERCRAFT BOAT HLDGS
DORIAN LPG
PASSAGE BIO
MIRUM PHARMACEUTICALS
EVERQUOTE A
BRIDGEWATER BANCSHARES
CLOVIS ONCOLOGY
BRIGHTCOVE
FINANCIAL INSTITUTIONS
ENNIS
NEOPHOTONICS
AMERICAN VANGUARD CORP
FIRST OF LONG ISLAND
DULUTH HOLDINGS B
MIDWESTONE FIN GRP (NEW)
ALLIED MOTION TECH
FARMERS NATL BANC CORP
RAYONIER ADV MATERIALS

MISTER CAR WASH
 TERMINIX GLOBAL HOLDINGS
 DRIVEN BRANDS HOLDINGS
 TILRAY SV 2
 ORTHO CLINICAL DIAG HLDG
 COURSERA
 SPRINKLR A
 OLO A
 SANA BIOTECHNOLOGY
 23ANDME HOLDING A
 BEAUTY HEALTH A
 FRONTIER GROUP HOLDINGS
 CLOVER HEALTH INV A
 E2OPEN PARENT HOLDINGS A
 RECURSION PHARMA A
 FIRST ADVANTAGE
 CONTEXTLOGIC A
 ZIPRECRUITER A
 OSCAR HEALTH A
 CLEAR SECURE A
 ACV AUCTIONS A
 PAYMENTUS HOLDINGS A
 STEM
 PAYONEER GLOBAL
 SHOALS TECHNOLOGIES A
 SIGNIFY HEALTH A
 VALARIS
 XOMETRY A
 AGILITI
 AURINIA PHARMACEUTICALS
 ALKAMI TECHNOLOGY
 PRIVIA HEALTH GRP
 DUCKHORN PORTFOLIO
 PEABODY ENERGY
 CELLDDEX THERAPEUTICS
 VERVE THERAPEUTICS
 NUvation BIO A
 PROTERRA
 CASSAVA SCIENCES
 BUTTERFLY NETWORK A
 CANO HEALTH A
 THREDUP A
 POSHMARK A
 WEATHERFORD INTL
 SUN COUNTRY AIRLINES
 JANUS INTERNATIONAL A
 IVERIC BIO
 GULFPORT ENERGY
 SKILLSOFT A
 LATHAM GRP
 EXTRACTION OIL GAS
 ASPEN AEROGELS
 BEACHBODY COMPANY A
 HIMS & HERS HEALTH A
 PURECYCLE TECHNOLOGIES A
 NOBLE
 AEVA TECHNOLOGIES
 INTAPP
 DREAM FINDERS HOMES A
 BTRS HOLDINGS
 META MATERIALS
 LATCH A
 TREACE MEDICAL CONCEPTS
 ZYMERGEN
 PERELLA WEINBERG A
 ROOT A
 APRIA
 AVEANNA HEALTHCARE HLDGS
 SKYWATER TECH
 OLEMA PHARMACEUTICALS
 QUANTUM-SI A
 OUSTER
 ORIGINAL BARK CO (THE) A
 CENTURY THERAPEUTICS
 INDIE SEMICONDUCTOR A

VERASTEM
 AUDACY
 EPIZYME INC
 22ND CENTURY GROUP
 INDEPENDENT BANK (MICH)
 AMERICAN PUBLIC EDU
 HEMISPHERE MEDIA GROUP A
 STEREOTAXIS
 US XPRESS ENTERPRISES A
 CEL-SCI CORP
 WHOLE EARTH BRANDS
 TITAN INTERNATIONAL
 EVELO BIOSCIENCES
 TREDEGAR CORP
 CATCHMARK TIMBER TRUST A
 AVITA THERAPEUTICS (US)
 ASTRONICS CORP
 EVOLUS
 KALVISTA PHARMACEUTICALS
 ZYNEX
 UNIFI
 COOPER STANDARD HOLDING
 WILLDAN GROUP
 TRUECAR
 KIMBALL INTERNATIONAL B
 RELMADA THERAPEUTICS
 CHROMADEx
 KARYOPHARM THERAPEUTICS
 ACCELERATE DIAGNOSTICS
 POSEIDA THERAPEUTICS
 PROVENTION BIO
 MILLER INDUSTRIES
 MAGENTA THERAPEUTICS
 HUMANIGEN
 OYSTER POINT PHARMA
 ATHIRA PHARMA
 OMEROS CORP
 ZIOPHARM ONCOLOGY
 ESSA PHARMA
 89BIO
 ACCURAY
 ASPIRA WOMENS HEALTH
 FUTUREFUEL CORP
 LIBERTY TRIPADVISOR A
 MOLECULAR TEMPLATES
 RED ROBIN GOURMET BURGER
 AKOUOS
 SILVERBACK THERAPEUTICS
 CYTOMX THERAPEUTICS
 THERAPEUTICSMD
 TCR2 THERAPEUTICS
 ATERIAN
 BLACK DIAMOND THERAPEUT
 EARGO
 ESPERION THERAPEUTICS
 SOLID BIOSCIENCES INC
 HARPOON THERAPEUTICS
 SOC TELEMED A
 ADVERUM BIOTECHNOLOG
 ONTRAK
 ARDELYX
 ALERUS FINANCIAL
 ASSETMARK FINANCIAL HLDG
 BANK FIRST CORPORATION
 CRAWFORD & CO A
 FIVE POINT HOLDINGS A
 LUTHER BURBANK
 NATIONAL RESEARCH CORP
 TFS FINANCIAL
 VENATOR MATERIALS

VIEW A
 MANNKIND CORP
 MONTE ROSA THERAPEUTICS
 PLBY GROUP
 PIEDMONT LITHIUM (US)
 METROPOLITAN BANK HLDG
 ON24
 PROMETHEUS BIOSCIENCES
 CULLINAN MANAGEMENT
 ELECTRIC LAST MILE SOLN
 FULCRUM THERAPEUTICS
 OCULAR THERAPEUTIX
 WM TECHNOLOGY A
 ORIGIN MATERIALS
 EDGEWISE THERAPEUTICS
 HONEST COMPANY
 CHANNELADVISOR CORP
 SPORTSMANS WAREHOUSE
 PLYMOUTH INDL REIT
 A MARK PRECIOUS METALS
 ATI PHYSICAL THERAPY A
 ORAMED PHARMACEUTICALS
 RAMACO RESOURCES
 UWM HLDGS A
 CENTRUS ENERGY CORP A
 BLADE AIR MOBILITY A
 VINE ENERGY A
 NAUTILUS BIOTECHNOLOGY
 KIMBELL ROYALTY PARTNERS
 VIRIDIAN THERAPEUTICS
 SPERO THERAPEUTICS
 LIVEVOX HOLDINGS A
 CAREMAX A
 ALPHA TEKNOVA
 VINTAGE WINE ESTATES
 COGENT BIOSCIENCES
 AEHR TEST SYSTEMS
 LIGHTNING EMOTORS
 AEMETIS

MSCI US INVESTABLE MARKET 2500 INDEX

Additions

AIRBNB A
 DOORDASH A
 COINBASE GLOBAL A
 AFFIRM HOLDINGS A
 LUCID GROUP A
 ROBINHOOD MARKETS A
 UIPATH A
 GINKGO BIOWORKS A
 SOFI TECHNOLOGIES
 MARQETA A
 FRESHWORKS A
 DIGITALOCEAN HOLDINGS
 TASKUS A
 FRONTIER COMMUNICATIONS
 AMPLITUDE A
 CHARGEPOINT HOLDINGS
 PETCO HEALTH A
 CHESAPEAKE ENERGY CORP
 FIGS A
 BLUE OWL CAPITAL A
 HAYWARD HLDGS
 MISTER CAR WASH
 DRIVEN BRANDS HOLDINGS
 ORTHO CLINICAL DIAG HLDG
 COURSERA
 SPRINKLR A
 OLO A
 SANA BIOTECHNOLOGY
 23ANDME HOLDING A
 BEAUTY HEALTH A
 FRONTIER GROUP HOLDINGS
 CLOVER HEALTH INV A

Deletions

WATERSTONE FINANCIAL
 MASTERCRAFT BOAT HLDGS
 DORIAN LPG
 PASSAGE BIO
 MIRUM PHARMACEUTICALS
 EVERQUOTE A
 BRIDGEWATER BANCSHARES
 CLOVIS ONCOLOGY
 BRIGHTCOVE
 FINANCIAL INSTITUTIONS
 ENNIS
 NEOPHOTONICS
 AMERICAN VANGUARD CORP
 FIRST OF LONG ISLAND
 DULUTH HOLDINGS B
 MIDWESTONE FIN GRP (NEW)
 ALLIED MOTION TECH
 FARMERS NATL BANC CORP
 RAYONIER ADV MATERIALS
 VERASTEM
 AUDACY
 EPIZYME INC
 22ND CENTURY GROUP
 INDEPENDENT BANK (MICH)
 AMERICAN PUBLIC EDU
 HEMISPHERE MEDIA GROUP A
 STEREOTAXIS
 US XPRESS ENTERPRISES A
 CEL-SCI CORP
 WHOLE EARTH BRANDS
 TITAN INTERNATIONAL
 EVELO BIOSCIENCES

E2OPEN PARENT HOLDINGS A
 RECURSION PHARMA A
 FIRST ADVANTAGE
 CONTEXTLOGIC A
 ZIPRECRUITER A
 OSCAR HEALTH A
 CLEAR SECURE A
 ACV AUCTIONS A
 PAYMENTUS HOLDINGS A
 STEM
 PAYONEER GLOBAL
 SHOALS TECHNOLOGIES A
 SIGNIFY HEALTH A
 VALARIS
 XOMETRY A
 AGILITI
 AURINIA PHARMACEUTICALS
 ALKAMI TECHNOLOGY
 PRIVIA HEALTH GRP
 DUCKHORN PORTFOLIO
 PEABODY ENERGY
 CELLDEX THERAPEUTICS
 VERVE THERAPEUTICS
 NUVATION BIO A
 PROTERRA
 CASSAVA SCIENCES
 BUTTERFLY NETWORK A
 CANO HEALTH A
 THREDUP A
 POSHMARK A
 WEATHERFORD INTL
 SUN COUNTRY AIRLINES
 JANUS INTERNATIONAL A
 IVERIC BIO
 GULFPORT ENERGY
 SKILLSOFT A
 LATHAM GRP
 EXTRACTION OIL GAS
 ASPEN AEROGELS
 BEACHBODY COMPANY A
 HIMS & HERS HEALTH A
 PURECYCLE TECHNOLOGIES A
 NOBLE
 AEVA TECHNOLOGIES
 INTAPP
 DREAM FINDERS HOMES A
 BTRS HOLDINGS
 META MATERIALS
 LATCH A
 TREACE MEDICAL CONCEPTS
 ZYMERGEN
 PERELLA WEINBERG A
 ROOT A
 APRIA
 AVEANNA HEALTHCARE HLDGS
 SKYWATER TECH
 OLEMA PHARMACEUTICALS
 QUANTUM-SI A
 OUSTER
 ORIGINAL BARK CO (THE) A
 CENTURY THERAPEUTICS
 INDIE SEMICONDUCTOR A
 VIEW A
 MANNKIND CORP
 MONTE ROSA THERAPEUTICS
 PLBY GROUP
 PIEDMONT LITHIUM (US)
 METROPOLITAN BANK HLDG
 ON24
 PROMETHEUS BIOSCIENCES
 CULLINAN MANAGEMENT
 ELECTRIC LAST MILE SOLN
 FULCRUM THERAPEUTICS
 OCULAR THERAPEUTIX
 WM TECHNOLOGY A

TREDEGAR CORP
 CATCHMARK TIMBER TRUST A
 AVITA THERAPEUTICS (US)
 ASTRONICS CORP
 EVOLUS
 KALVISTA PHARMACEUTICALS
 ZYNEX
 UNIFI
 COOPER STANDARD HOLDING
 WILLDAN GROUP
 TRUECAR
 KIMBALL INTERNATIONAL B
 RELMADA THERAPEUTICS
 CHROMADEx
 KARYOPHARM THERAPEUTICS
 ACCELERATE DIAGNOSTICS
 POSEIDA THERAPEUTICS
 PROVENTION BIO
 MILLER INDUSTRIES
 MAGENTA THERAPEUTICS
 HUMANIGEN
 OYSTER POINT PHARMA
 ATHIRA PHARMA
 OMEROS CORP
 ZIOPHARM ONCOLOGY
 ESSA PHARMA
 89BIO
 ACCURAY
 ASPIRA WOMENS HEALTH
 FUTUREFUEL CORP
 LIBERTY TRIPADVISOR A
 MOLECULAR TEMPLATES
 RED ROBIN GOURMET BURGER
 AKOUS
 SILVERBACK THERAPEUTICS
 CYTOMX THERAPEUTICS
 THERAPEUTICSMD
 TCR2 THERAPEUTICS
 ATERIAN
 BLACK DIAMOND THERAPEUT
 EARGO
 ESPERION THERAPEUTICS
 SOLID BIOSCIENCES INC
 HARPOON THERAPEUTICS
 SOC TELEMED A
 ADVERUM BIOTECHNOLOG
 ONTRAK
 ARDELYX
 ALERUS FINANCIAL
 ASSETMARK FINANCIAL HLDG
 BANK FIRST CORPORATION
 CRAWFORD & CO A
 FIVE POINT HOLDINGS A
 LUTHER BURBANK
 NATIONAL RESEARCH CORP
 NVR
 TFS FINANCIAL
 VENATOR MATERIALS

ORIGIN MATERIALS
 EDGEWISE THERAPEUTICS
 HONEST COMPANY
 CHANNELADVISOR CORP
 SPORTSMANS WAREHOUSE
 PLYMOUTH INDL REIT
 A MARK PRECIOUS METALS
 ATI PHYSICAL THERAPY A
 ORAMED PHARMACEUTICALS
 RAMACO RESOURCES
 UWM HLDGS A
 CENTRUS ENERGY CORP A
 BLADE AIR MOBILITY A
 VINE ENERGY A
 NAUTILUS BIOTECHNOLOGY
 KIMBELL ROYALTY PARTNERS
 VIRIDIAN THERAPEUTICS
 SPERO THERAPEUTICS
 LIVEVOX HOLDINGS A
 CAREMAX A
 ALPHA TEKNOVA
 VINTAGE WINE ESTATES
 COGENT BIOSCIENCES
 AEHR TEST SYSTEMS
 LIGHTNING EMOTORS
 AEMETIS

MSCI US MICRO CAP INDEX

Additions

PLAYSTUDIOS A
 BIOVENTUS
 CONVEY HOLDING PARENT
 ATOMERA
 1STDIBS.COM
 VOR BIOPHARMA
 INOTIV
 NRX PHARMACEUTICALS
 APPHARVEST
 TALKSPACE
 RELIANT BANCORP
 AST SPACEMOBILE A
 FTC SOLAR
 TRANSCAT
 SCIPLAY A
 PAVMED
 BIGLARI HOLDINGS A
 MVB FINANCIAL
 WATERSTONE FINANCIAL
 MASTERCRAFT BOAT HLDGS
 DORIAN LPG
 RILEY EXPLORATION
 PASSAGE BIO
 MIRUM PHARMACEUTICALS
 EVERQUOTE A
 BRIDGEWATER BANCSHARES
 ZOMEDICA
 CLOVIS ONCOLOGY
 BRIGHTCOVE
 FINANCIAL INSTITUTIONS
 ENNIS
 SUMMIT THERAPEUTICS (US)
 CONCRETE PUMPING HLDGS
 NEOPHOTONICS
 AMERICAN VANGUARD CORP
 FIRST OF LONG ISLAND
 DULUTH HOLDINGS B
 MIDWESTONE FIN GRP (NEW)
 ALLIED MOTION TECH
 FARMERS NATL BANC CORP
 RAYONIER ADV MATERIALS
 VERASTEM
 AUDACY
 EPIZYME INC
 22ND CENTURY GROUP

Deletions

PEABODY ENERGY
 CELLDEX THERAPEUTICS
 CASSAVA SCIENCES
 IVERIC BIO
 MANNKIND CORP
 OCULAR THERAPEUTIX
 CHANNELADVISOR CORP
 SPORTSMANS WAREHOUSE
 NET 1 UEPS TECHNOLOGIES

INDEPENDENT BANK (MICH)
AMERICAN PUBLIC EDU
HEMISPHERE MEDIA GROUP A
STEREOTAXIS
US XPRESS ENTERPRISES A
CEL-SCI CORP
WHOLE EARTH BRANDS
TITAN INTERNATIONAL
EVELO BIOSCIENCES
TREDEGAR CORP
CATCHMARK TIMBER TRUST A
AVITA THERAPEUTICS (US)
ASTRONICS CORP
EVOLUS
KALVISTA PHARMACEUTICALS
ZYNEX
UNIFI
COOPER STANDARD HOLDING
WILLDAN GROUP
TRUECAR
KIMBALL INTERNATIONAL B
RELMADA THERAPEUTICS
CHROMADEX
KARYOPHARM THERAPEUTICS
ACCELERATE DIAGNOSTICS
POSEIDA THERAPEUTICS
PROVENTION BIO
MILLER INDUSTRIES
MAGENTA THERAPEUTICS
HUMANIGEN
OYSTER POINT PHARMA
ATHIRA PHARMA
OMEROS CORP
ZIOPHARM ONCOLOGY
ESSA PHARMA
89BIO
ACCURAY
ASPIRA WOMENS HEALTH
FUTUREFUEL CORP
LIBERTY TRIPADVISOR A
MOLECULAR TEMPLATES
RED ROBIN GOURMET BURGER
AKOUOS
SILVERBACK THERAPEUTICS
CYTOMX THERAPEUTICS
THERAPEUTICSMD
TCR2 THERAPEUTICS
ATERIAN
BLACK DIAMOND THERAPEUT
EARGO
ESPERION THERAPEUTICS
SOLID BIOSCIENCES INC
HARPOON THERAPEUTICS
SOC TELEMED A
ADVERUM BIOTECHNOLOG
ONTRAK
ARDELYX
ALERUS FINANCIAL
BANK FIRST CORPORATION
BUSINESS FIRST BANCSHS
CRAWFORD & CO A
FIVE POINT HOLDINGS A
INDUS REALTY TRUST
LUTHER BURBANK
METROCITY BANKSHARES
TALARIS THERAPEUTICS
UTD STATES LIME & MRLS

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