

Geneva, November 07, 2019

MSCI GLOBAL MICRO CAP INDEXES

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

SUMMARY PER COUNTRY:

Country	Nb of Securities Added	Nb of Securities Deleted
AUSTRALIA	41	18
BELGIUM	1	3
SWITZERLAND	8	5
DENMARK	2	0
SPAIN	2	2
FRANCE	5	7
GERMANY	11	7
NETHERLANDS	1	2
ITALY	9	4
JAPAN	41	26
HONG KONG	23	45
SINGAPORE	5	5
NORWAY	11	3
AUSTRIA	2	0
USA	111	65
CANADA	18	22
SWEDEN	23	8
UNITED KINGDOM	20	21
FINLAND	3	1
NEW ZEALAND	3	7
PORTUGAL	0	1
IRELAND	2	0
ISRAEL	13	10

MSCI AUSTRALIA INDEX

Additions

ALCIDION GROUP
ALITA RESOURCES
ALPHA HPA
ALTHEA GROUP HOLDINGS
ANIMOCA BRANDS CORP
BEACON MINERALS
BIGTINCAN HOLDINGS
BLACKWALL PROPERTY TRUST
BOSS RESOURCES
BOTANIX PHARMACEUTICALS
CAPRICORN METALS
ELIXINOL GLOBAL
ENVIROSUITE
GENETIC SIGNATURES
HELIOS ENERGY
KALIUM LAKES
KEYTONE DAIRY CORP
LIONTOWN RESOURCES
MACH7 TECHNOLOGIES
NEXT SCIENCE
OFX GROUP
OM HOLDINGS
ONEMARKET
OPTICOMM
PAINCHEK
PHYLOGICA
POINTS BET HOLDINGS
PPK GROUP
PROSPA GROUP
READYTECH HOLDINGS
SPECTRUM METALS
SPEEDCAST INTERNATIONAL

Deletions

AVENIRA
BENITEC BIOPHARMA
CENTURIA CAPITAL
CODAN
EML PAYMENTS
FITZROY RIVER CORP
FREEDOM OIL AND GAS
IMF BENTHAM
IRONBARK ZINC
ISIGNTHIS
KORE POTASH UK CDI
LIFESTYLE COMMUNITIES
LIVING CELL TECHNOLOGIES
NICKEL MINES
OPTHEA
PERSEUS MINING
POLYNOVO
RAMELIUS RESOURCES

STAVELY MINERALS
 SYRAH RESOURCES
 UNITI GROUP
 US MASTERS RESIDENTIAL
 VIVA LEISURE
 WAGNERS HOLDING CO
 WARREGO ENERGY
 WHISPIR
 WISR

MSCI BELGIUM INDEX
 Additions
 ACACIA PHARMA GROUP (BE)

Deletions
 ASCENCIO
 ATENOR
 TINC COMM

MSCI SWITZERLAND INDEX
 Additions
 ALUFLEXPACK
 BV HOLDING
 CASSIOPEA
 EDISUN POWER EUROPE
 FUNDAMENTA REAL ESTATE
 PHOENIX MECANO INH
 SCHMOLZ + BICKENBACH
 VON ROLL HOLDING INHABER

Deletions
 KUROS BIOSCIENCES
 LASTMINUTE.COM
 LUMX GROUP
 THURGAUER KANTONALBANK
 WARTECK INVEST

MSCI DENMARK INDEX
 Additions
 BANG & OLUFSEN B
 EGNSINVEST EJD TYS

Deletions
 None

MSCI SPAIN INDEX
 Additions
 ERCROS
 VERTICE TRESCIENTOS

Deletions
 AUDAX RENOVABLES
 INCLAM

MSCI FRANCE INDEX
 Additions
 BOURBON CORPORATION
 ESSO
 GRAINES VOLTZ
 HAULOTTE GROUP
 RALLYE

Deletions
 AMOEBA
 ARCHOS
 BIOM UP
 BIOPHYTIS
 KERLINK
 NEOVACS
 YMAGIS

MSCI GERMANY INDEX
 Additions
 AUMANN
 CR CAPITAL REAL ESTATE
 DFV DEUTSCHE FAMILIENVER
 EDAG ENGINEERING GROUP
 FCR IMMOBILIEN
 H&R
 MYHAMMER HOLDING
 NORTHERN BITCOIN
 SURTECO
 VILLEROY & BOCH VORZUG
 WALLSTREET ONLINE

Deletions
 DATAGROUP
 DEUTSCHE IND GRUNDBESITZ
 ELUMEO
 NEXUS
 STARAMBA
 WINDELN DE
 ZEAL NETWORK

MSCI NETHERLANDS INDEX
 Additions
 PROQR THERAPEUTICS

Deletions
 CURETIS
 KARDAN NV

MSCI ITALY INDEX

Additions

ALKEMY
BIO ON
BIODUE
COMER INDUSTRIES
INTRED
ITALIAN EXHIBITION GROUP
MAILUP
RISANAMENTO
SICIT GROUP

Deletions

BF HOLDING
COSE BELLE D'ITALIA
GAMENET GROUP
GAROFALO HEALTH CARE

MSCI JAPAN INDEX

Additions

ASAKUMA
BANK OF INNOVATION
BEING
BENEFIT JAPAN
CANDEAL
CHIMNEY
COPRO HOLDINGS
FEEDFORCE
GEECHS
HOLON CO
INTERTRADE CO
JAPAN HOSPICES HOLDINGS
KAONAVI
KUWAZAWA TRADING
LINICAL CO
MEIHO FACILITY WORKS
MINKABU THE INFONOID
MTG
NAKABOHEC CORROSION PRO
NAKANO REFRIGERATORS CO
NATTY SWANKY
NIPPON ICHI SOFTWARE
ORCHESTRA HOLDINGS
OSG
PROPERTY AGENT
RAREJOB
SANKEI REAL ESTATE
SEED CO
SERVERWORKS
SHINNIHONSEIYAKU
TAKEDA PRINTING (JP)
TAKI CHEMICAL CO
TENSHO ELECTRIC IND
TOBILA SYSTEMS
TOKURA CORPORATION
TOUMEI
TSUKURUBA
UPR
W SCOPE CORP
WELBE
WITZ

Deletions

FIXSTARS CORP
FTGROUP CO
G-7 HOLDINGS
INSOURCE
IR JAPAN HOLDINGS
JAPAN MED. DYNAMIC MKT
KANAGAWA CHUO KOTSU CO
KFC HOLDINGS JAPAN
KOZOSUSHI CO
MAXVALU NISHINIHON CO
MAXVALU TOKAI CO
MEDIA DO HOLDINGS CO
MEISEI INDUSTRIAL CO
S POOL
SECOM JOSHINETSU CO
SFP HOLDINGS CO
SHIN NIPPON AIR TECH
SHOWA AIRCRAFT INDUSTRY
SOTSU CO
STARTS PROCEED INV
TAKARA LEBEN REIT
TAKEDA PRINTING CO
TAMA HOME
TECHMATRIX CORPORATION
TRI CHEMICAL LAB
YOKOWO CO

MSCI HONG KONG INDEX

Additions

ANALOGUE HOLDINGS
ASIA GROCERY DIST
C BANNER INTL HLDGS
CHIHO ENVIRONMENTAL (HK)
CHINA HUARONG ENERGY CO
CK LIFE SCIENCES INTL
COMMON SPLENDOR INT (HK)
DADI INTERNATIONAL (HK)
EARTHASIA INTL HLDGS
EMPEROR CAPITAL GROUP
ETERNITY INVESTMENT (HK)
GAIN PLUS HOLDINGS
HILONG HOLDING (HK)
INNOVAX HOLDINGS
KATO (HK) HLDGS
LING YUI HOLDINGS

Deletions

APTORUM GROUP A
AUSTAR LIFESCIENCES
AUX INTERNATIONAL HLDGS
BAOFENG MODERN INTL
BIRMINGHAM SPORTS HLDGS
BOILL HEALTHCARE HLDGS
CHEVALIER INTL
CHINA BAOLI TECH (HK)
CHINA DIGITAL CULTURE
CHINA ECO FARMING
CHINA SMARTPAY GRP HLDGS
CHONG KIN GROUP HOLDINGS
CLASSIFIED GROUP HLDGS
D&G TECHNOLOGY HLDG
DAIDO GROUP
DAOHE GLOBAL GROUP

MANPOWERGROUP GREATER
MOBI DEVELOPMENT CO
PANASIALUM HOLDINGS
S.A.I LEISURE GROUP
TAI HING GROUP HOLDINGS
TIME WATCH INVESTMENTS
WANG YANG HOLDINGS

DESON DEV INTL HOLDINGS
DREAMEAST GROUP
DTXS SILK ROAD INV HLDGS
GLOBAL STRATEGIC GROUP
GRAND MING GROUP HLDGS
GT GROUP HOLDINGS
GURU ONLINE HLDGS
HAO WEN HOLDINGS
HONG KONG FINANCE INVEST
IDT INTERNATIONAL
JETE POWER HOLDINGS
LARRY JEWELRY INTL CO
MAXNERVA TECHNOLOGY SVCS
MILAN STATION HLDGS
MILLENNIUM PACIFIC GROUP
MULTIFIELD INTERNATIONAL
NEWAY GROUP HOLDINGS
O NET TECHNOLOGIES (HK)
PIZU GROUP HOLDINGS
ROMA GROUP
S CULTURE INTL HOLDINGS
SAMSON PAPER HOLDINGS
SANAI HEALTH IND GRP CO
SINO-LIFE GROUP
SINOPHARM TECH HLDGS(HK)
TITAN PETROCHEMICALS GRP
UNITY INVESTMENTS HLDGS
VONGROUP
YUNNAN ENERGY INTL CO

MSCI SINGAPORE INDEX
Additions
ARA US HOSPITALITY TRUST
GALLANT VENTURE
HONG FOK CORP
HOUR GLASS (THE)
HRNETGROUP

Deletions
ADVANCED HOLDINGS
HIAP SENG ENGINEERING
LEADER ENVIRONMENTAL
SAKAE HOLDINGS
UNION STEEL HOLDINGS

MSCI NORWAY INDEX
Additions
2020 BULKERS
AKASTOR
FJORD1
KLAVENESS COMBINATION
KONGSBERG AUTOMOTIVE
NORBIT
NORDIC NANOVECTOR
OKEA
SCANSHIP HOLDING
SEADRILL LTD
ULTIMOVACS

Deletions
BELSHIPS
NORWEGIAN ENERGY CO AS
SCOTTISH SALMON CO

MSCI AUSTRIA INDEX
Additions
ADDIKO BANK
FREQUENTIS

Deletions
None

MSCI USA INDEX
Additions
ABEONA THERAPEUTICS
ACCURAY
ACORDA THERAPEUTICS
ADURO BIOTECH
APPLIED OPTOELECTRONICS
APPLIED THERAPEUTICS
ARCTURUS THERAPEUTIC(US)
ARLINGTON ASSET INV A
ARMSTRONG FLOORING
ASSERTIO THERAPEUTICS
ATRECA A
AVENUE THERAPEUTICS

Deletions
ADVAXIS
ADVERUM BIOTECHNOLOG
AEVI GENOMIC MEDICINE
AMERICAN SOFTWARE A
ATLAS FINANCIAL HOLDINGS
BANK FIRST CORPORATION
BARNWELL INDUSTRIES
BIODELIVERY SCIENCE INTL
BORQS TECHNOLOGIES
CANCER GENETICS
CAPITAL CITY BANK GROUP
CARDLYTICS

BIGLARI HOLDINGS A
 BIGLARI HOLDINGS B
 CALYXT
 CAMBIUM NETWORKS
 CAROLINA TRUST BANCSHARE
 CASTLE BIOSCIENCES
 CASTLIGHT HEALTH B
 CBDMD
 CINCINNATI BELL
 CITI TRENDS
 CIVEO CORPORATION
 CLOVIS ONCOLOGY
 COMSCORE
 CONCRETE PUMPING HLDGS
 CONTAINER STORE GROUP
 COVIA HOLDINGS CORP
 CYREN US
 DASEKE
 DYADIC INTERNATIONAL
 ENTRAVISION COMMU A
 ESTABLISHMENT LABS HLDGS
 EXELA TECHNOLOGIES
 EXICURE
 EXPRESS
 FIESTA RESTAURANT GRP
 FIRST NATIONAL
 FIVE PRIME THERAPEUTICS
 FLUENT
 FORUM ENERGY TECH INC
 FRANKLIN FINL SVCS
 FRONTIER COMMUNICATIONS
 FTS INTERNATIONAL
 FULCRUM THERAPEUTICS
 GLYCOMIMETICS
 GTY TECHNOLOGY HOLDINGS
 HI CRUSH
 HIGHPOINT RESOURCES CORP
 HIREQUEST
 HOOKIPA PHARMA
 IDEANOMICS
 INOVIO PHARMACEUTICALS
 INTELLICHECK MOBILISA
 KALVISTA PHARMACEUTICALS
 KARUNA THERAPEUTICS
 KIMBELL ROYALTY PARTNERS
 KINIKSA PHARMA A
 KLX ENERGY SERVICES
 KURA SUSHI USA A
 LIVEXLIVE MEDIA
 MAGENTA THERAPEUTICS
 MAINSTREET BANK
 MALLINCKRODT
 MAMMOTH ENERGY SERVICES
 MAYVILLE ENGINEERING CO
 MINERVA NEUROSCIENCES
 MOHAWK GROUP HOLDINGS
 MONTAGE RESOURCES CORP
 MORPHIC HOLDING
 NEPHROS
 NESCO HOLDINGS
 NEUBASE THERAPEUTICS
 NINE ENERGY SERVICE
 NOODLES & CO A
 NOVAVAX
 PARKER DRILLING
 PERSONALIS
 PIONEER BANCORP
 POSTAL REALTY TRUST A
 PRECISION BIOSCIENCES
 PREVAIL THERAPEUTICS
 PROTECTIVE INS CORP B
 PURPLE INNOVATION A
 RANPAK HOLDINGS A
 RICHMOND MUTUAL BANCORP
 RING ENERGY

CITY OFFICE REIT
 CLEVELAND BIOLABS
 CNB FINANCIAL CORP
 CORINDUS VASCULAR
 CRYOPORT
 CUTERA
 CYCLACEL PHARMACEUTICALS
 DESTINATION MATERNITY
 DIGIMARC CORP
 DIGIRAD CORP
 DIGITAL TURBINE
 DOVA PHARMA
 ENSERVCO CORP
 FORTERRA (US)
 FRANKLIN COVEY CO
 GEE GROUP
 GEMPHIRE THERAPEUTICS
 GLOBAL MEDICAL REIT
 GOOSEHEAD INSURANCE A
 GREENPRO CAPITAL
 IES HOLDINGS
 IMPINJ
 INTL MONEY EXPRESS
 INVIVO THERAPEUTICS HLDG
 JASON INDUSTRIES
 JERNIGAN CAPITAL
 KODIAK SCIENCES
 LANNETT CO
 MAXAR TECHNOLOGIES(US)
 MIDWESTONE FIN GRP (NEW)
 NACCO INDUSTRIES A (NEW)
 NANOVIRICIDES
 NAPCO SECURITY TECH
 NEONODE
 NRC GROUP HOLDINGS
 OPTION CARE HEALTH
 OWENS & MINOR
 PAYSIGN
 REPLIMUNE GROUP
 REXAHN PHARMACEUTICALS
 RUBICON PROJECT
 SAEEXPLORATION HOLDINGS
 SAFETY INCOME & GROWTH
 SIGA TECHNOLOGIES
 SIMULATIONS PLUS
 STERLING CONSTRUCTION CO
 SUMMER INFANT
 TRANS WORLD ENTMT CORP
 TROVAGENE
 VECTRUS
 VIVEVE MEDICAL
 WESTWATER RESOURCES
 YIELD10 BIOSCIENCE

ROAN RESOURCES A
 ROCKWELL MEDICAL
 SACHEM CAPITAL
 SANDRIDGE ENERGY
 SCIPLAY A
 SENSEONICS HOLDINGS INC
 SHOTSPOTTER
 SOLITON
 SORRENTO THERAPEUTICS
 SOUTH PLAINS FINANCIAL
 SPOK HOLDINGS
 SYNTHORX
 TAILORED BRANDS
 TETRA TECHNOLOGIES
 TILE SHOP HLDGS
 TITAN INTERNATIONAL
 TRANSENERIX
 TRANSMEDICS GROUP
 TREVI THERAPEUTICS
 UNIT CORP
 VACCINEX
 VERITIV
 XPEL
 YRC WORLDWIDE

MSCI CANADA INDEX

Additions

ALEAFIA HEALTH
 ATHABASCA OIL
 BSR REIT
 CALFRAC WELL SERVICES
 CANNTRUST HOLDINGS
 CARDINAL ENERGY LTD
 DOREL INDUSTRIES B
 FIRE & FLOWER HOLDINGS
 GREEN ORGANIC DUTCH HLDG
 MEDICAL FACILITIES
 PATRIOT ONE TECHNOLOGIES
 PRO REIT
 PROFOUND MEDICAL
 RESOLUTE FOREST (CA)
 RESVERLOGIX
 TREVALI MINING
 TRICAN WELL SERVICE
 ZENABIS GLOBAL

Deletions

ALTAGAS CANADA
 ANDREW PELLER A
 CHINOOK ENERGY
 CONIFEX TIMBER
 DELPHI ENERGY
 ENTREC CORP
 GDI INTEGRATED FACILITY
 LEAGOLD MINING
 MAINSTREET EQUITY CORP
 MINTO APARTMENT REIT
 NUVO PHARMACEUTICALS
 PARK LAWN
 PERPETUAL ENERGY
 PETRUS RESOURCES
 PRAIRIE PROVIDENT RES
 REAL MATTERS
 ST AUGUSTINE GOLD&COPPER
 STORNOWAY DIAMOND
 TERANGA GOLD CORP
 TRANSAT A.T.
 TRILLIUM THERAPEUTICS
 WESDOME GOLD MINES

MSCI SWEDEN INDEX

Additions

24SEVENOFFICE
 AZELIO
 BRAVIKEN LOGISTIK
 CATENA MEDIA
 FASTATOR
 FM MATTSSON MORA GROUP B
 GREATER THAN
 HALDEX
 HAMLET PHARMA
 INTERVACC
 K2A KNAUST & ANDERSSON B
 KALLEBACK PPTY INVEST
 MENTICE
 PAXMAN
 PHASE HOLOGRAPHIC IMAG
 PROBI AB
 Q-LINEA
 QUICKBIT EU
 SENZIME
 SURGICAL SCIENCE SWEDEN
 TORSLANDA PROPERTY INV

Deletions

BINERO GROUP
 CIBUS NORDIC REAL ESTATE
 CREADES
 MYFC HOLDING
 NP3 FASTIGHETER
 POWERCELL SWEDEN
 RNB RETAIL AND BRANDS
 VITEC SOFTWARE GROUP

TRE KRONOR PROPERTY
VOLATI

MSCI UNITED KINGDOM INDEX

Additions

ACCESSO TECHNOLOGY GROUP
ARGENTEX GROUP
BIDSTACK GROUP
BRICKABILITY GROUP
COSTAIN GROUP
DIACEUTICS
EDDIE STOBART LOGISTICS
ESSENSYS
EVR HOLDINGS
GAN
GOOCH & HOUSEGO
IMPACT HEALTHCARE REIT
INDEPENDENT OIL & GAS
KIER GROUP
LOUNGERS
M&C SAATCHI
PENDRAGON
SHANTA GOLD
TEN LIFESTYLE GROUP
URBAN EXPOSURE

Deletions

ALPHA FX GROUP
ANGUS ENERGY
APTITUDE SOFTWARE GROUP
BORDERS & SOUTHERN PETRO
DISCOVERIE GROUP
ELAND OIL & GAS
EVE SLEEP
FIRESTONE DIAMONDS
GLI FINANCE
GYM GROUP
HUNTSWORTH
IMPAX ASSET MANAGEMENT
JAYWING
LIONTRUST ASSET MGMT
MOTIF BIO
MPORIUM GROUP
NETSCIENTIFIC
OCEAN OUTDOOR
RANDALL & QUILTER INV
REAL ESTATE CREDIT INV
TANFIELD GROUP

MSCI FINLAND INDEX

Additions

INCAP
LEHTO GROUP
VMP

Deletions

EQ OYJ

MSCI NEW ZEALAND INDEX

Additions

NAPIER PORT HOLDINGS
PLEXURE GROUP
VISTA GROUP INTL

Deletions

ARVIDA GROUP
BRISCOE GROUP
KATHMANDU HOLDINGS
SANFORD
SCALES CORPORATION
STRIDE STAPLED GROUP
WAREHOUSE GROUP

MSCI PORTUGAL INDEX

Additions

None

Deletions

INAPA

MSCI IRELAND INDEX

Additions

DATALEX
UNIPHAR

Deletions

None

MSCI ISRAEL INDEX

Additions

ALTSHULER SHAHAM
AUTOMATIC BANK SERVICES
ENLIVEX THERAPEUTICS
FRESHMARKET
GAMIDA CELL
GOLDEN HOUSE
HANAN MOR GROUP HOLDINGS
RANI ZIM SHOPPING CTRS
SEACH MEDICAL GROUP
TEL AVIV STOCK EXCHANGE
TUFIN SOFTWARE TECH
ZMH HAMMERMAN
ZVI SARFATI & SONS INV

Deletions

ARCTURUS THERAPEUTICS
ASHTROM PROPERTIES
BRILL SHOE INDUSTRIES
CAN FITE BIOPHARMA
CYREN
ENLIGHT RENEWABLE ENERGY
INTERNET GOLD-GOLDEN LNS
MEGA OR HOLDINGS
REWALK ROBOTICS
SUPERCOM (USD)

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