MAS KiwiSaver Scheme
Fund Holdings

For the quarter ended 30 September 2022

Signatory of:

PRI Principles for Responsible Investment

CERTIFIED RESPONSIBLE INVESTMENT ®
CERTIFIED BY RIAA

Contents

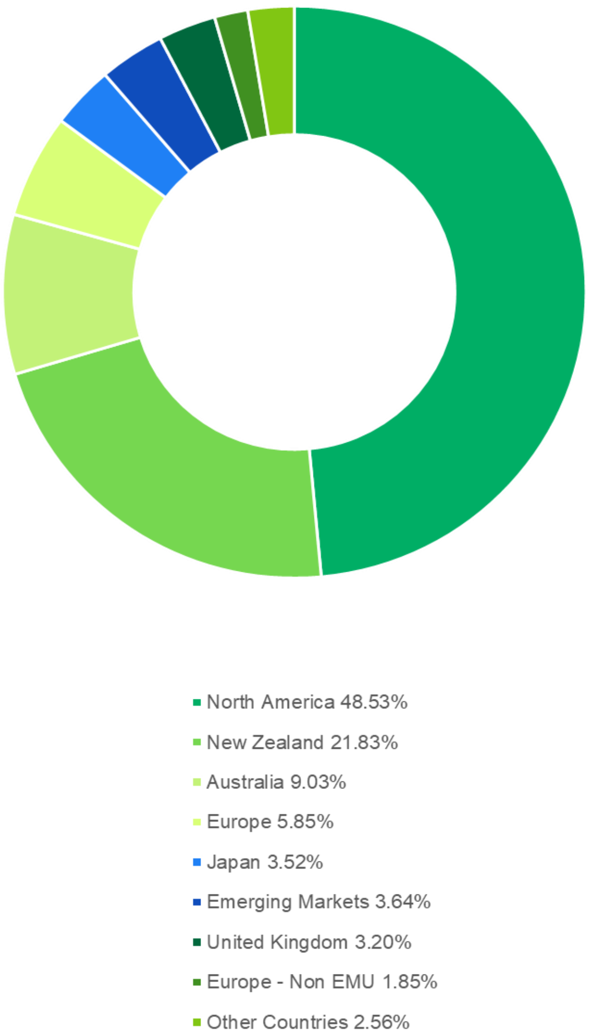
MAS KiwiSaver Scheme

Global Equities Fund Holdings

As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	2.75%
Other	0.18%
Total	2.93%
Australasian equities	
New Zealand	22.78%
Australia	9.28%
Total	32.06%
International equities	
North America	48.44%
Europe	5.83%
Emerging Markets	3.62%
Japan	3.49%
United Kingdom	3.18%
Europe - Non EMU	1.84%
Australia	-0.25%
New Zealand	-4.32%
Other Countries	2.55%
Total	64.39%
Alternatives	
New Zealand	0.63%
Total	0.63%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 September 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/kiwisaver**

2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	2.74%
USD Cash (Alpha Committed)	0.08%
JPY Cash (Alpha Committed)	0.03%
GBP Cash	0.02%
Other	0.05%
Total	2.93%
Australasian equities	
Infratil Ltd	3.82%
Fisher & Paykel Healthcare Ltd	2.28%
Meridian Energy Limited	2.02%
Spark New Zealand Ltd	1.91%
Mainfreight Ltd	1.84%
Auckland International Airport Ltd	1.59%
Ebos Group Ltd	1.47%
National Australia Bank Ltd	1.40%
A2 Milk Company Ltd	1.28%
Fletcher Building Ltd	1.23%
CSL Limited	1.03%
Chorus Ltd	0.92%
Macquarie Group Ltd	0.92%
Mercury NZ Limited	0.90%
NEXTDC Ltd	0.88%
Telstra Corp Ltd	0.80%
News Corp-CDI Class B	0.71%
Resmed Inc	0.70%
Coles Group Ltd	0.70%
Summerset Group Holdings Ltd	0.68%
Port of Tauranga Ltd	0.67%
Ramsay Health Care Ltd	0.58%
Freightways Ltd	0.58%
Allkem Ltd	0.53%
Oceania Healthcare Limited	0.47%
Ryman Healthcare Ltd	0.47%
Block Inc - CDI	0.47%
Xero Ltd	0.39%
Investore Property Limited	0.27%
Pushpay Holdings Ltd	0.20%
Wesfarmers Limited	0.18%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.16%
Total	32.06%
International equities	
Microsoft Corp	4.10%
Tesla Inc	1.56%
Alphabet Inc Class A	1.41%
Alphabet Inc Class C	1.32%
Procter & Gamble	0.94%
Nvidia Corp	0.78%
Visa Inc Class A	0.74%
Taiwan Semiconductor Manufacturing Co. Ltd	0.73%
Coca-Cola	0.72%
Pepsico Inc	0.71%
Eli Lilly	0.70%
Roche Holding Par AG	0.69%
Thermo Fisher Scientific Inc	0.69%
AbbVie Inc	0.64%
Home Depot Inc	0.63%
Mastercard Inc Class A	0.63%
Astrazeneca Plc	0.60%
Salesforce Inc	0.51%
Tencent Holdings Ltd	0.47%
Hsbc Holdings Plc	0.46%
Danaher Corp	0.45%
Adobe Inc	0.45%
Cisco Systems Inc	0.42%
Accenture Plc Class A	0.41%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Intuit Inc	0.40%
Walt Disney	0.38%
ASML Holding NV	0.38%
Novo Nordisk Class B	0.37%
Texas Instrument Inc	0.36%
Verizon Communications Inc	0.35%
Amgen Inc	0.34%
Linde Plc	0.33%
Alibaba Group Holding Ltd	0.33%
Unilever Plc	0.31%
Toyota Motor Corp	0.30%
International Business Machines Co	0.30%
Lowes Companies Inc	0.30%
Servicenow Inc	0.29%
Elevance Health Inc	0.28%
Apple Inc	0.27%
Amazon Com Inc	0.27%
United Parcel Service Inc Class B	0.27%
Intel Corporation Corp	0.27%
Automatic Data Processing Inc	0.27%
S&P Global Inc	0.26%
Toronto Dominion	0.25%
Abbott Laboratories	0.25%
Becton Dickinson	0.24%
Nike Inc Class B	0.23%
Morgan Stanley	0.23%
Cigna Corp	0.23%
Caterpillar Inc	0.23%
Charles Schwab Corp	0.23%
Aia Group Ltd	0.22%
Starbucks Corp	0.22%
Regeneron Pharmaceuticals Inc	0.22%
American Tower Reit Corp	0.22%
Colgate-Palmolive	0.22%
Deere	0.22%
Prologis REIT Inc	0.21%
Meituan	0.21%
Chubb Ltd	0.21%
SAP	0.20%
Vertex Pharmaceuticals Inc	0.20%
Gilead Sciences Inc	0.20%
Kimberly Clark Corp	0.19%
American Express	0.19%
Bnp Paribas SA	0.19%
BlackRock Inc	0.19%
Novartis Ag	0.18%
Johnson & Johnson	0.18%
Sony Group Corp	0.18%
Roper Technologies Inc	0.18%
Synopsys Inc	0.18%
Target Corp	0.18%
Zoetis Inc Class A	0.18%
Applied Material Inc	0.18%
Edwards Lifesciences Corp	0.18%
Medtronic Plc	0.17%
Unitedhealth Group Inc	0.17%
Marsh & McLennan Inc	0.17%
Loreal SA	0.17%
Cadence Design Systems Inc	0.17%
Autodesk Inc	0.17%
TJX Inc	0.16%
Humana Inc	0.16%
Illinois Tool Inc	0.16%
Novo Nordisk Class B	0.15%
Oracle Corp	0.15%
Waste Management Inc	0.15%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
PNC Financial Services Group Inc	0.15%
Progressive Corp	0.15%
Booking Holdings Inc	0.15%
Crown Castle Inc	0.14%
Sherwin Williams	0.14%
Schneider Electric	0.14%
Vestas Wind Systems	0.14%
Truist Financial Corp	0.14%
General Mills Inc	0.14%
Lloyds Banking Group Plc	0.14%
Allianz	0.14%
CME Group Inc Class A	0.14%
Enphase Energy Inc	0.13%
Lair Liquide Societe Anonyme Pour	0.13%
Reckitt Benckiser Group Plc	0.13%
Relx Plc	0.13%
ING Groep NV	0.13%
Lam Research Corp	0.13%
CSX Corp	0.13%
Bank Of Nova Scotia	0.13%
Bank Of Montreal	0.13%
Aon Plc Class A	0.13%
Cvs Health Corp	0.12%
Nordea Bank	0.12%
Eaton Plc	0.12%
China Construction Bank Corp H	0.12%
Electronic Arts Inc	0.12%
Centene Corp	0.12%
Dexcom Inc	0.12%
Daiichi Sankyo Ltd	0.12%
Essilorluxottica SA	0.12%
Estee Lauder Inc Class	0.11%
Norfolk Southern Corp	0.11%
Intesa Sanpaolo	0.11%
Lonza Group AG	0.11%
HCA Healthcare Inc	0.11%
Intercontinental Exchange Inc	0.11%
Ecolab Inc	0.11%
Aflac Inc	0.11%
Equinix Reit Inc	0.11%
Banco Bilbao Vizcaya Argentaria SA	0.11%
ABB Ltd	0.11%
Compagnie Financiere Richemont SA	0.11%
Nutrien Ltd	0.10%
Nxp Semiconductors Nv	0.10%
Meta Platforms Inc Class A	0.10%
VMware Class A Inc	0.10%
KDDI Corp	0.10%
Idexx Laboratories Inc	0.10%
Prosus NV	0.10%
Motorola Solutions Inc	0.10%
Nintendo Ltd	0.10%
Compass Group Plc	0.10%
Baxter International Inc	0.10%
Biogen Inc	0.10%
Nucor Corp	0.09%
Pfizer Inc	0.09%
Iqvia Holdings Inc	0.09%
WW Grainger Inc	0.09%
Recruit Holdings Ltd	0.09%
Hormel Foods Corp	0.09%
Hitachi Ltd	0.09%
PPG Industries Inc	0.09%
Keurig Dr Pepper Inc	0.09%
Moodys Corp	0.09%
Axa SA	0.09%
DBS Group Holdings Ltd	0.09%
Cardinal Health Inc	0.09%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Agilent Technologies Inc	0.09%
Ansys Inc	0.09%
Activision Blizzard Inc	0.09%
Daikin Industries Ltd	0.09%
Canadian Imperial Bank of Commerce	0.09%
Glaxosmithkline	0.08%
Merck & Co Inc	0.08%
Plug Power Inc	0.08%
Intuitive Surgical Inc	0.08%
Archer Daniels Midland	0.08%
Church And Dwight Inc	0.08%
West Pharmaceutical Services Inc	0.08%
Tokyo Electron Ltd	0.08%
T Rowe Price Group Inc	0.08%
Vodafone Group Plc	0.08%
Waste Connections Inc	0.08%
Travelers Companies Inc	0.08%
Hoya Corp	0.08%
MercadoLibre Inc	0.08%
Mccormick & Co Non-Voting Inc	0.08%
Genuine Parts	0.08%
Johnson Controls International Plc	0.08%
M&T Bank Corp	0.08%
Illumina Inc	0.08%
Allstate Corp	0.08%
Clorox	0.08%
Arthur J Gallagher	0.08%
Bank Of New York Mellon Corp	0.08%
Baidu Class A Inc	0.07%
Netease Inc	0.07%
Banco Santander Sa	0.07%
Sba Communications Reit Corp	0.07%
Sanofi Sa	0.07%
Palo Alto Networks Inc	0.07%
Stryker Corp	0.07%
Prudential Plc	0.07%
Solaredge Technologies Inc	0.07%
First Solar Inc	0.07%
Dover Corp	0.07%
Fanuc Corp	0.07%
Boston Scientific Corp	0.07%
Rockwell Automation Inc	0.07%
Trane Technologies Plc	0.07%
Shopify Subordinate Voting Inc Class A	0.07%
SK Hynix Inc	0.07%
Hilton Worldwide Holdings Inc	0.07%
HP Inc	0.07%
Prudential Financial Inc	0.07%
Kering SA	0.07%
Lululemon Athletica Inc	0.07%
Republic Services Inc	0.07%
Newmont	0.07%
Keysight Technologies Inc	0.07%
Danone SA	0.07%
Bank Central Asia	0.07%
East Japan Railway	0.07%
AmerisourceBergen Corp	0.07%
CRH Plc	0.07%
Carrier Global Corp	0.07%
Deutsche Boerse AG	0.07%
Amcor Plc	0.07%
First Republic Bank	0.07%
Fast Retailing Ltd	0.07%
Warner Bros. Discovery Inc	0.06%
Welltower	0.06%
Otis Worldwide Corp	0.06%
Splunk Inc	0.06%
Sysco Corp	0.06%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Mckesson Corp	0.06%
Alnylam Pharmaceuticals Inc	0.06%
Broadcom Inc	0.06%
Barclays Plc	0.06%
Workday Inc Class A	0.06%
Societe Generale SA	0.06%
Take Two Interactive Software Inc	0.06%
Steris	0.06%
Wolters Kluwer NV	0.06%
Verisk Analytics Inc	0.06%
SoftBank Corp	0.06%
Sika AG	0.06%
Ross Stores Inc	0.06%
Huntington Bancshares Inc	0.06%
Genmab	0.06%
Murata Manufacturing Ltd	0.06%
Itochu Corp	0.06%
Merck	0.06%
Intact Financial Corp	0.06%
Mettler Toledo Inc	0.06%
Paccar Inc	0.06%
Koninklijke Ahold Delhaize NV	0.06%
MediaTek Inc	0.06%
Regions Financial Corp	0.06%
Givaudan SA	0.06%
Hologic Inc	0.06%
DNB Bank	0.06%
Daiwa House Industry Ltd	0.06%
Cummins Inc	0.06%
Ameriprise Finance Inc	0.06%
Cincinnati Financial Corp	0.06%
Fastenal	0.06%
Ulta Beauty Inc	0.05%
China Merchants Bank Ltd	0.05%
United Overseas Bank Ltd	0.05%
Martin Marietta Materials Inc	0.05%
Old Dominion Freight Line	0.05%
Sampo	0.05%
Walgreen Boots Alliance Inc	0.05%
Nortonlifelock Inc	0.05%
Mondelez International Inc Class A	0.05%
Fortinet Inc	0.05%
Diageo Plc	0.05%
Hubspot Inc	0.05%
Bristol Myers Squibb	0.05%
Crowdstrike Holdings Inc Class A	0.05%
Willis Towers Watson Plc	0.05%
Samsung SDI Ltd	0.05%
State Street Corp	0.05%
Swiss Re AG	0.05%
Weyerhaeuser REIT	0.05%
Umicore SA	0.05%
Wuxi Biologics Cayman Inc	0.05%
SSE Plc	0.05%
Xylem Inc	0.05%
Tractor Supply	0.05%
West Fraser Timber Ltd	0.05%
SVB Financial Group	0.05%
Koninkilijke Dsm NV	0.05%
Kellogg	0.05%
Fujitsu Ltd	0.05%
Industria De Diseno Textil Inditex	0.05%
Insulet Corp	0.05%
KBC Groep	0.05%
National Bank Of Canada	0.05%
International Flavors & Fragrances	0.05%
Hartford Financial Services Group	0.05%
KKR and Co Inc	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Molina Healthcare Inc	0.05%
Northern Trust Corp	0.05%
Laboratory Corporation Of America	0.05%
Ashtead Group Plc	0.05%
Ebay Inc	0.05%
CBRE Group Inc Class A	0.05%
Chocoladefabriken Lindt & Spruengli AG	0.05%
Copart Inc	0.05%
BMW AG	0.05%
Discover Financial Services	0.05%
D R Horton Inc	0.05%
Aptiv Plc	0.05%
Atlas Copco Class A	0.05%
Ferguson Plc	0.05%
Citizens Financial Group Inc	0.05%
American Water Works Inc	0.05%
Fortive Corp	0.05%
Conagra Brands Inc	0.05%
Astellas Pharma Inc	0.05%
Byd Ltd	0.04%
Unicredit	0.04%
A P Moller Maersk	0.04%
Bayer Ag	0.04%
Quanta Services Inc	0.04%
Lpl Financial Holdings Inc	0.04%
Trade Desk Inc Class A	0.04%
Zendesk Inc	0.04%
Contemporary Amperex Technology Lt	0.04%
Open Text Corp	0.04%
Qualcomm Inc	0.04%
Datadog Inc Class A	0.04%
Incyte Corp	0.04%
Brown Forman Corp Class B	0.04%
Albemarle Corp	0.04%
Corteva Inc	0.04%
Advanced Micro Devices Inc	0.04%
Zebra Technologies Corp Class A	0.04%
Unicharm Corp	0.04%
Uni-President Enterprises Corp	0.04%
Terumo Corp	0.04%
Yum China Holdings Inc	0.04%
Upm-Kymmene	0.04%
Wh Group Ltd	0.04%
VF Corp	0.04%
Water Corp	0.04%
Thomson Reuters Corp	0.04%
Trimble Inc	0.04%
United Rentals Inc	0.04%
Ingersoll Rand Inc	0.04%
Naver Corp	0.04%
Mosaic	0.04%
Kao Corp	0.04%
Orange SA	0.04%
Hewlett Packard Enterprise	0.04%
Perkinelmer Inc	0.04%
KeyCorp	0.04%
Nasdaq Inc	0.04%
Komatsu Ltd	0.04%
Grupo Finance Banorte	0.04%
Legal and General Group Plc	0.04%
Orix Corp	0.04%
Legrand SA	0.04%
Pentair	0.04%
Li Auto Adr Inc	0.04%
Principal Financial Group Inc	0.04%
Geberit AG	0.04%
Raymond James Inc	0.04%
Eisai Ltd	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Chugai Pharmaceutical Ltd	0.04%
Ericsson B	0.04%
Abiomed Inc	0.04%
Adidas N AG	0.04%
Bunge Ltd	0.04%
Biomarin Pharmaceutical Inc	0.04%
A O Smith Corp	0.04%
Essity Class B	0.04%
Fujifilm Holdings Corp	0.04%
Agnico Eagle Mines Ltd	0.04%
China Mengniu Dairy Ltd	0.04%
Delta Electronics Inc	0.04%
Banco Bradesco Pref SA	0.04%
Franklin Resources Inc	0.04%
Assa Abloy AB	0.04%
Align Technology Inc	0.04%
Power Corporation Of Canada	0.03%
Jb Hunt Transport Services	0.03%
Ventas Reit Inc	0.03%
Panasonic Holdings Corp	0.03%
Compagnie Generale Des Etablisseme	0.03%
Nippon Steel Corp	0.03%
Telekomunikasi Indonesia	0.03%
Marubeni Corp	0.03%
Zoominfo Technologies Inc	0.03%
Cboe Global Markets Inc	0.03%
Saputo Inc	0.03%
Brown & Brown Inc	0.03%
Zimmer Biomet Holdings Inc	0.03%
Webster Financial Corp	0.03%
Pearson Plc	0.03%
Zoom Video Communications Inc Clas	0.03%
Standard Chartered Plc	0.03%
Expeditors International Of Washin	0.03%
Constellation Brands Inc Class A	0.03%
Walmart Inc	0.03%
Ptc Inc	0.03%
3M	0.03%
Paypal Holdings Inc	0.03%
Realty Income Reit Corp	0.03%
Monster Beverage Corp	0.03%
Deutsche Bank Ag	0.03%
Natwest Group Plc	0.03%
Snowflake Class A	0.03%
Sunrun Inc	0.03%
Rio Tinto Plc	0.03%
Mcdonalds Corp	0.03%
Hershey Foods	0.03%
Xinyi Solar Holdings Ltd	0.03%
Kla Corp	0.03%
Air Products And Chemicals Inc	0.03%
China Merchants Bank Ltd A	0.03%
Ping An Insurance (Group) Of China	0.03%
Bunzl	0.03%
Essex Property Trust Reit Inc	0.03%
China Yangtze Power Ltd A	0.03%
Federal Realty Investment Trust Re	0.03%
Longi Green Energy Technology Ltd	0.03%
Cintas Corp	0.03%
Verbund AG	0.03%
WSP Global Inc	0.03%
Sompo Holdings Inc	0.03%
Swiss Life Holding AG	0.03%
United Micro Electronics Corp	0.03%
SGS SA	0.03%
Straumann Holding AG	0.03%
Symrise AG	0.03%
Segro REIT Plc	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Synchrony Financial	0.03%
Steel Dynamics Inc	0.03%
TDK Corp	0.03%
Veolia Environ. SA	0.03%
Teleflex Inc	0.03%
Skandinaviska Enskilda Banken	0.03%
Teleperformance	0.03%
Wheaton Precious Metals Corp	0.03%
Rogers Communications Non-Voting I	0.03%
Sonova Holding AG	0.03%
Shionogi Ltd	0.03%
WR Berkley Corp	0.03%
Transunion	0.03%
Yaskawa Electric Corp	0.03%
Shiseido Ltd	0.03%
Sandvik	0.03%
Singapore Telecommunications Ltd	0.03%
Magna International Inc	0.03%
Novozymes B	0.03%
Pool Corp	0.03%
Quest Diagnostics Inc	0.03%
LKQ Corp	0.03%
Kakao Corp	0.03%
Kubota Corp	0.03%
MS&AD Insurance Group Holdings Inc	0.03%
Public Bank	0.03%
KB Financial Group Inc	0.03%
Omron Corp	0.03%
Kerry Group Plc	0.03%
Horizon Therapeutics Public Plc	0.03%
Netflix Inc	0.03%
Masco Corp	0.03%
Link Real Estate Investment Trust	0.03%
Hang Seng Bank Ltd	0.03%
Nibe Industrier Class B	0.03%
Metro Inc	0.03%
NN Group NV	0.03%
Mitsubishi Estate Co Ltd	0.03%
Novocure Ltd	0.03%
Idex Corp	0.03%
Healthpeak Properties Inc	0.03%
Ajinomoto Inc	0.03%
Booz Allen Hamilton Holding Corp C	0.03%
Ball Corp	0.03%
Citrix Systems Inc	0.03%
China Resources Land Ltd	0.03%
Best Buy Inc	0.03%
Dollarama Inc	0.03%
CNH Industrial NV	0.03%
EDP Renovaveis SA	0.03%
Coloplast B	0.03%
Expeditors International Of Washington Inc	0.03%
Commerzbank AG	0.03%
Fomento Economico Mexicano	0.03%
Cooper Inc	0.03%
BOC Hong Kong Holdings Ltd	0.03%
Croda International Plc	0.03%
Dominos Pizza Inc	0.03%
CTBC Financial Holding Ltd	0.03%
CH Robinson Worldwide Inc	0.03%
Campbell Soup	0.03%
Bank Leumi Le Israel	0.03%
Bio Techne Corp	0.03%
AEON Ltd	0.03%
Dai-Ichi Life Holdings Inc	0.03%
FactSet Research Systems Inc	0.03%
Atlas Copco Class B	0.03%
Arch Capital Group Ltd	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Boston Properties Reit Inc	0.03%
Catalent Inc	0.03%
Chunghwa Telecom Ltd	0.03%
First Interstate Bancsystem Inc Cl	0.02%
Prysmian	0.02%
Lear Corp	0.02%
Sumitomo Realty & Development Ltd	0.02%
Worldline Sa	0.02%
Svenska Handelsbanken-A Shs	0.02%
Alcon Ag	0.02%
Credicorp Ltd	0.02%
Neurocrine Biosciences Inc	0.02%
Celanese Corp	0.02%
Rollins Inc	0.02%
Swedbank	0.02%
Taiwan Cooperative Financial Holdings	0.02%
Epiroc Class A	0.02%
Waters Corp	0.02%
Imcd Nv	0.02%
Knight-Swift Transportation Holdin	0.02%
Rivian Automotive Inc Class	0.02%
Siemens Gamesa Renewable Energy Sa	0.02%
Tyler Technologies Inc	0.02%
Snap Inc Class A	0.02%
Microchip Technology Inc	0.02%
Credit Agricole Sa	0.02%
Paycom Software Inc	0.02%
Smartsheet Inc Class A	0.02%
Moderna Inc	0.02%
Tyson Foods Inc Class A	0.02%
Palantir Technologies Inc Class A	0.02%
Zscaler Inc	0.02%
Micron Technology Inc	0.02%
Sage Group Plc	0.02%
Bentley Systems Inc Class B	0.02%
Gea Group Ag	0.02%
Elastic Nv	0.02%
Docusign Inc	0.02%
Bloom Energy Class A Corp	0.02%
Fair Isaac Corp	0.02%
Bill Com Holdings Inc	0.02%
Kraft Heinz	0.02%
Black Knight Inc	0.02%
Epam Systems Inc	0.02%
Anglo American Plc	0.02%
First Citizens Bancshares Inc Clas	0.02%
London Stock Exchange Group Plc	0.02%
Fiserv Inc	0.02%
Coupa Software Inc	0.02%
Guidewire Software Inc	0.02%
Analog Devices Inc	0.02%
Digital Realty Trust Reit Inc	0.02%
Lattice Semiconductor Corp	0.02%
Ritchie Bros Auctioneers Inc	0.02%
Stanley Black & Decker Inc	0.02%
Spirax-Sarco Engineering Plc	0.02%
Severn Trent Plc	0.02%
Telia Company	0.02%
Vail Resorts Inc	0.02%
Sungrow Power Supply Ltd A	0.02%
Telus Corp	0.02%
Sumitomo Mitsui Trust Holdings Inc	0.02%
Robert Half	0.02%
Sensata Technologies Holding Plc	0.02%
Terna Rete Elettrica Nazionale	0.02%
Hanwha Solutions Corp	0.02%
Smurfit Kappa Group Plc	0.02%
WPP Plc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Snap On Inc	0.02%
Svenska Cellulosa B	0.02%
WEG SA	0.02%
Yakult Honsha Ltd	0.02%
West Japan Railway	0.02%
Yokogawa Electric Corp	0.02%
Westrock	0.02%
Sekisui House Ltd	0.02%
Sysmex Corp	0.02%
Totvs Sa	0.02%
Toray Industries Inc	0.02%
Wuliangye Yibin Ltd A	0.02%
Toto Ltd	0.02%
United Utilities Group Plc	0.02%
Shinhan Financial Group Ltd	0.02%
Stora Enso Class R	0.02%
Hankyu Hanshin Holdings Inc	0.02%
Kingspan Group Plc	0.02%
Next Plc	0.02%
Lennox International Inc	0.02%
NTT Data Corp	0.02%
Jazz Pharmaceuticals Plc	0.02%
Pultegroup Inc	0.02%
Henkel & KGaA Pref AG	0.02%
Nissin Foods Holdings Ltd	0.02%
Localiza Rent A Car SA	0.02%
Nomura Research Institute Ltd	0.02%
Malayan Banking	0.02%
Owens Corning	0.02%
MarketAxess Holdings Inc	0.02%
Hasbro Inc	0.02%
Howmet Aerospace Inc	0.02%
International Paper	0.02%
Henry Schein Inc	0.02%
Nippon Yusen	0.02%
Mega Financial Holding Ltd	0.02%
Nitto Denko Corp	0.02%
Hydro One Ltd	0.02%
Nomura Holdings Inc	0.02%
Rentokil Initial Plc	0.02%
Informa Plc	0.02%
Mondi Plc	0.02%
Orion Class B	0.02%
Mowi	0.02%
Koninklijke KPN NV	0.02%
MTR Corporation Corp Ltd	0.02%
Intercontinental Hotels Group Plc	0.02%
Mtu Aero Engines Holding Ag	0.02%
Publicis Groupe SA	0.02%
Nan Ya Plastics Corp	0.02%
Kuehne und Nagel International AG	0.02%
Kikkoman Corp	0.02%
Interpublic Group Of Companies Inc	0.02%
Generac Holdings Inc	0.02%
Intertek Group Plc	0.02%
Coca Cola European Partners Plc	0.02%
Boliden	0.02%
Annaly Capital Management Reit Inc	0.02%
Brookfield Renewable Subordinate V	0.02%
BT Group Plc	0.02%
Carrefour SA	0.02%
BorgWarner Inc	0.02%
Allegion Plc	0.02%
Chailease Holding Ltd	0.02%
Asahi Kasei Corp	0.02%
Berkeley Group Holdings (The) Plc	0.02%
Fubon Financial Holding Ltd	0.02%
Alleghany Corp	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Assurant Inc	0.02%
Cognex Corp	0.02%
BYD Ltd A	0.02%
Daifuku Ltd	0.02%
Dentsply Sirona Inc	0.02%
Cameco Corp	0.02%
Cathay Financial Holding Ltd	0.02%
Eiffage SA	0.02%
Azbil Corp	0.02%
Bangkok Dusit Medical Services	0.02%
Airports Of Thailand Non-Voting Dr	0.02%
Elisa	0.02%
Akzo Nobel NV	0.02%
CSPC Pharmaceutical Group Ltd	0.02%
Contemporary Amperex Technology Ltd	0.02%
China Overseas Land Investment Ltd	0.02%
Burberry Group Plc	0.02%
Bureau Veritas SA	0.02%
E.Sun Financial Holding Ltd	0.02%
China Steel Corp	0.02%
Central Japan Railway	0.02%
First Financial Holding Ltd	0.02%
Caixabank Sa	0.02%
Burlington Stores Inc	0.02%
CP All Non-Voting Dr Pcl	0.02%
Ally Financial Inc	0.02%
Beiersdorf AG	0.02%
Brenntag SE	0.02%
Advance Auto Parts Inc	0.02%
CarMax Inc	0.02%
Dieteren (D) Sa	0.01%
Wells Fargo	0.01%
Ncsoft Corp	0.01%
Triumph Bancorp Inc	0.01%
Pt Sumber Alfaria	0.01%
Unity Software Inc	0.01%
Wsfs Financial Corp	0.01%
Postal Savings Bank Of China Ltd	0.01%
Zalando	0.01%
Eqt	0.01%
Eva Airways Corp	0.01%
Evonik Industries Ag	0.01%
True Corporation Non-Voting	0.01%
Exact Sciences Corp	0.01%
Sartorius Stedim Biotech Sa	0.01%
Gjensidige Forsikring	0.01%
Performance Food Group	0.01%
Grab Holdings Ltd Class	0.01%
Lg H & H Ltd	0.01%
Koninklijke Philips Nv	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Servisfirst Bancshares Inc	0.01%
Ringkjobing Landbobank	0.01%
Voltronic Power Technology Corp	0.01%
Seacoast Banking Of Florida	0.01%
Woori Financial Group Inc	0.01%
Companhia De Saneamento Basico	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Tianqi Lithium Industries Corp A	0.01%
Alpha Services And Holdings	0.01%
Want Want China Holdings	0.01%
Banco De Sabadell Sa	0.01%
Fortnox	0.01%
Lumen Technologies Inc	0.01%
Lakeland Financial Corp	0.01%
Nippon Express Holdings Inc	0.01%
Samsung Life Ltd	0.01%
Tingyi (Cayman Islands) Holdings	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Ito En Ltd	0.01%
Hapvida Participacoes E Investimen	0.01%
Bumrungrad Hospital Non-Voting	0.01%
Grupo Aeroportuario Del Sureste	0.01%
Welcia Holdings Ltd	0.01%
Nexi	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
United Community Banks Inc	0.01%
Apollo Global Management Inc	0.01%
Meiji Holdings Ltd	0.01%
Bankunited Inc	0.01%
Grupo Televisa	0.01%
Sino Land Ltd	0.01%
Auo Corp	0.01%
Air China Ltd	0.01%
Ricoh Ltd	0.01%
Wesbanco Inc	0.01%
S.F. Holding Ltd	0.01%
Telekom Malaysia	0.01%
China Three Gorges Renewables	0.01%
Tingyi (Cayman Islands) Holdings C	0.01%
Banco Bradesco Sa	0.01%
Obic Ltd	0.01%
Salmar	0.01%
Argenx	0.01%
Korea Zinc Inc	0.01%
Constellation Software Inc	0.01%
Hmm Ltd	0.01%
Eurofins Scientific	0.01%
Scb X Public Company Limited Non-V	0.01%
Fresenius Se And Co Kgaa	0.01%
Scg Packaging Pcl Non-Voting Dr	0.01%
Jackson Financial Inc Class A	0.01%
Turkiye Sise Ve Cam Fabrikalari A	0.01%
Nordson Corp	0.01%
Temenos Ag	0.01%
Dino Polska Sa	0.01%
Mitsubishi Chemical Group Corp	0.01%
Holmen Class B	0.01%
Siemens Healthineers Ag	0.01%
Hypermarcas Sa	0.01%
Sartorius Pref Ag	0.01%
Nutanix Inc Class A	0.01%
Paychex Inc	0.01%
Banco Bpm	0.01%
Ormat Tech Inc	0.01%
Us Foods Holding Corp	0.01%
Pennymac Financial Services Inc	0.01%
China Everbright Environment Group	0.01%
Pinterest Inc Class A	0.01%
Teradata Corp	0.01%
Metso Outotec Corp	0.01%
United Bankshares Inc	0.01%
Marvell Technology Inc	0.01%
Verisign Inc	0.01%
Pinnacle Financial Partners Inc	0.01%
Zions Bancorporation	0.01%
Microstrategy Inc Class A	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
Persimmon Plc	0.01%
Penumbra Inc	0.01%
Mgic Investment Corp	0.01%
Teradyne Inc	0.01%
Monolithic Power Systems Inc	0.01%
Twitter Inc	0.01%
Maxlinear Inc	0.01%
Umpqua Holdings Corp	0.01%
Qualys Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Valley National	0.01%
Radian Group Inc	0.01%
Walker & Dunlop Inc	0.01%
Rocket Companies Inc Class A	0.01%
Wintrust Financial Corp	0.01%
Ringcentral Inc Class A	0.01%
S.F. Holding Ltd A	0.01%
Signature Bank	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Simmons First National Corp Class	0.01%
Abn Amro Bank Nv	0.01%
Bank Ozk	0.01%
Bawag Group Ag	0.01%
Pacwest Bancorp	0.01%
Texas Capital Bancshares Inc	0.01%
Shoals Technologies Group Inc Clas	0.01%
Te Connectivity Ltd	0.01%
Nemetschek	0.01%
Tesco Plc	0.01%
Silvergate Capital Class A Corp	0.01%
Novanta Inc	0.01%
Silicon Laboratories Inc	0.01%
Prosperity Bancshares Inc	0.01%
Solaria Energia Y Medio Ambiente S	0.01%
Umb Financial Corp	0.01%
On Semiconductor Corp	0.01%
Us Bancorp	0.01%
Smith And Nephew Plc	0.01%
Valmet	0.01%
Onto Innovation Inc	0.01%
Vonovia Se	0.01%
Synovus Financial Corp	0.01%
Washington Federal Inc	0.01%
Cloudflare Inc Class A	0.01%
Workiva Inc Class A	0.01%
Sps Commerce Inc	0.01%
Wolfspeed Inc	0.01%
Sprout Social Inc Class A	0.01%
Western Union	0.01%
Sunpower Corp	0.01%
Paylocity Holding Corp	0.01%
Block Inc Class A	0.01%
Ja Solar Technology Ltd A	0.01%
Bankinter Sa	0.01%
Envista Holdings Corp	0.01%
Community Bank System Inc	0.01%
Poly Developments And Holdings Gro	0.01%
Danske Bank	0.01%
China State Construction Engineeri	0.01%
Flagstar Bancorp Inc	0.01%
Pagerduty Inc	0.01%
First Bancorp	0.01%
Banner Corp	0.01%
Independent Bank Corp	0.01%
Bank Of Ireland Group Plc	0.01%
Old National Bancorp	0.01%
Pacific Premier Bancorp Inc	0.01%
Southstate Corp	0.01%
Columbia Banking System Inc	0.01%
New Relic Inc	0.01%
New York Community Bancorp Inc	0.01%
Sun Communities Reit Inc	0.01%
Finecobank Banca Fineco	0.01%
Shockwave Medical Inc	0.01%
International Bancshares Corp	0.01%
Spectris Plc	0.01%
Live Oak Bancshares Inc	0.01%
Nmi Holdings Inc Class A	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Powszechna Kasa Oszczednosci Bank	0.01%
Sunnova Energy International Inc	0.01%
Molson Coors Brewing Class B	0.01%
Western Alliance	0.01%
Flutter Entertainment Plc	0.01%
Jpmorgan Chase & Co	0.01%
Home Bancshares Inc	0.01%
Alexandria Real Estate Equities Re	0.01%
First Financial Bankshares Inc	0.01%
Bio Rad Laboratories Inc Class A	0.01%
Glacier Bancorp Inc	0.01%
Array Technologies Inc	0.01%
Foshan Hai Tian Flavouring & Food	0.01%
Blackline Inc	0.01%
East West Bancorp Inc	0.01%
Boralex Inc Class A	0.01%
Fidelity National Information Serv	0.01%
Japan Real Estate Investment Trust	0.01%
Altair Engineering Inc Class A	0.01%
Bank Of Communications Ltd A	0.01%
Global Payments Inc	0.01%
Bank Of Hawaii Corp	0.01%
Ametek Inc	0.01%
Bok Financial Corp	0.01%
Acciona Sa	0.01%
Box Inc Class A	0.01%
Agricultural Bank Of China Ltd A	0.01%
Popular Inc	0.01%
Zhangzhou Pientzehuang Pharmaceuti	0.01%
Broadridge Financial Solutions Inc	0.01%
First Horizon Corp	0.01%
Bruker Corp	0.01%
Fifth Third Bancorp	0.01%
Asana Inc Class A	0.01%
First Merchants Corp	0.01%
Citigroup Inc	0.01%
Fulton Financial Corp	0.01%
Cathay General Bancorp	0.01%
Corning Inc	0.01%
Commerce Bancshares Inc	0.01%
Hexagon Class B	0.01%
Ceridian Hcm Holding Inc	0.01%
Bank Of China Ltd A	0.01%
Cdw Corp	0.01%
Independent Bank Group Inc	0.01%
Associated Bancorp	0.01%
Ipg Photonics Corp	0.01%
Manhattan Associates Inc	0.01%
John Bean Technologies Corp	0.01%
Meyer Burger Technology Ag	0.01%
Amphenol Corp Class A	0.01%
Mr Cooper Group Inc	0.01%
Etsy Inc	0.01%
Ats Automation Tooling Systems Inc	0.01%
Experian Plc	0.01%
Citic Securities Ltd A	0.01%
Axonics Inc	0.01%
Ameris Bancorp	0.01%
First Hawaiian Inc	0.01%
Cognizant Technology Solutions Cor	0.01%
Alteryx Inc Class A	0.01%
Atlantic Union Bankshares Corp	0.01%
Aspen Technology Inc	0.01%
Cvb Financial Corp	0.01%
Five9 Inc	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Fnb Corp	0.01%
Darling Ingredients Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Alarm.Com Holdings Inc	0.01%
Dropbox Inc Class A	0.01%
Ambarella Inc	0.01%
Sany Heavy Industry Ltd A	0.01%
Bank Of America Corp	0.01%
Altra Industrial Motion Corp	0.01%
Cgi Inc	0.01%
Dolby Laboratories Inc Class A	0.01%
Globus Medical Inc Class A	0.01%
Aviva Plc	0.01%
Flat Glass Group Ltd H	0.01%
Keyence Corp	0.01%
Hillenbrand Inc	0.01%
Industrial And Commercial Bank Of	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Daqo New Energy Adr Representing	0.01%
Hilltop Holdings Inc	0.01%
Lincoln Electric Holdings Inc	0.01%
Hancock Whitney Corp	0.01%
Advantest Corp	0.01%
3I Group Plc	0.01%
Dynatrace Inc	0.01%
Innergex Renewable Energy Inc	0.01%
Eastern Bankshares Inc	0.01%
Haitong Securities Ltd Class A	0.01%
Wanhua Chemical Group Ltd A	0.01%
Gartner Inc	0.01%
Avalara Inc	0.01%
Bank Of Jiangsu Corporation Ltd A	0.01%
Equitable Holdings Inc	0.01%
Kadant Inc	0.01%
Essent Group Ltd	0.01%
Arista Networks Inc	0.01%
Postal Savings Bank Of China Ltd A	0.01%
Axos Financial Inc	0.01%
Descartes Systems Group Inc	0.01%
Dassault Systemes	0.01%
Masimo Corp	0.01%
Clarivate Plc	0.01%
Comerica Inc	0.01%
Cullen Frost Bankers Inc	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Yamaha Motor Ltd	0.01%
Muyuan Foods Ltd A	0.01%
Singapore Airlines Ltd	0.01%
Shanghai M&G Stationery Inc A	0.01%
Uni-President Ltd	0.01%
Ping An Bank Ltd A	0.01%
Sumitomo Metal Mining Ltd	0.01%
East Money Information Ltd A	0.01%
Singapore Exchange Ltd	0.01%
Yunnan Baiyao Group Ltd A	0.01%
Rumo SA	0.01%
Baoshan Iron & Steel Ltd A	0.01%
Teladoc Health Inc	0.01%
Raia Drogasil Sa	0.01%
Tele2 B	0.01%
Ucb Sa	0.01%
Teledyne Technologies Inc	0.01%
Sun Hung Kai Properties Ltd	0.01%
Valeo	0.01%
Taiwan Cement Corp	0.01%
Suntory Beverage & Food Ltd	0.01%
Taiwan High Speed Rail Corp	0.01%
Telefonica Brasil SA	0.01%
Swire Properties Ltd	0.01%
Sinopac Financial Holdings Ltd	0.01%
Yang Ming Marine Transport Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Rohm Ltd	0.01%
Gerdau Pref Sa	0.01%
Sirius Xm Holdings Inc	0.01%
Leg Immobilien N	0.01%
Vinda International Ltd	0.01%
Sainsbury (J) Plc	0.01%
Nippon Prologis Reit Inc	0.01%
Luzhou Lao Jiao Ltd A	0.01%
Shanghai Pudong Development Bank L	0.01%
Jiangsu Yanghe Brewery Joint-Stock	0.01%
Vivendi	0.01%
Taylor Wimpey Plc	0.01%
Telefonica Deutschland Holding AG	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Voya Financial Inc	0.01%
Largan Precision Ltd	0.01%
SKF B	0.01%
Yamaha Corp	0.01%
Wartsila	0.01%
Shimizu Corp	0.01%
Telenor	0.01%
Taiwan Mobile Ltd	0.01%
SG Holdings Ltd	0.01%
Z Holdings Corp	0.01%
Sumitomo Chemical Ltd	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
Shandong Weigao Group Medical PlyPolymer Co. Ltd	0.01%
Airtac International Group	0.01%
Swire Pacific Ltd A	0.01%
Citic Ltd	0.01%
Shanghai Commercial Ltd	0.01%
Tongcheng Travel Holdings Ltd	0.01%
Taisei Corp	0.01%
Hellofresh	0.01%
Whitbread Plc	0.01%
Land Securities Group Reit Plc	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Merdeka Copper Gold	0.01%
Tobu Railway Ltd	0.01%
Tfi International Inc	0.01%
Shimadzu Corp	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
Tokyu Corp	0.01%
Zte Corp A	0.01%
Taishin Financial Holding Ltd	0.01%
Boe Technology Group Ltd A	0.01%
Toromont Industries Ltd	0.01%
Bank Of Ningbo Ltd A	0.01%
Wuxi Apptec Ltd A	0.01%
Luxshare Precision Industry Ltd A	0.01%
Wuxi Apptec Ltd H	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Shimao Group Holdings Ltd	0.01%
Cs Wind Corp	0.01%
Sekisui Chemical Ltd	0.01%
Xinjiang Goldwind Science And Tech	0.01%
Xpeng Adr Representing Inc	0.01%
Aier Eye Hospital Group Ltd A	0.01%
St Jamess Place Plc	0.01%
Wens Foodstuff Group Ltd	0.01%
Yadea Group Holdings Ltd	0.01%
Resona Holdings Inc	0.01%
Yageo Corp	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
China Minsheng Banking Corp Ltd A	0.01%
Schroders Plc	0.01%
Solvay SA	0.01%
PPB Group	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Odakyu Electric Railway Ltd	0.01%
Husqvarna	0.01%
Genscript Biotech Corp	0.01%
Kobayashi Pharmaceutical Ltd	0.01%
Hyundai Engineering & Construction	0.01%
Kajima Corp	0.01%
Minor International Public Non Voting	0.01%
Kalbe Farma	0.01%
Kesko Class B	0.01%
Klepierre REIT SA	0.01%
Mitsui Chemicals Inc	0.01%
Ganfeng Lithium Ltd H	0.01%
Hyundai Glovis Ltd	0.01%
Kuala Lumpur Kepong	0.01%
Lincoln National Corp	0.01%
Qiagen Nv	0.01%
Ibiden Ltd	0.01%
Kinross Gold Corp	0.01%
JFE Holdings Inc	0.01%
Obayashi Corp	0.01%
Jm Smucker	0.01%
Klabin Units SA	0.01%
Gruma	0.01%
OTP Bank	0.01%
Garmin Ltd	0.01%
Hellenic Telecommunications Organization SA	0.01%
Kghm Polska Miedz Sa	0.01%
Korean Air Lines Ltd	0.01%
JDE Peets Nv	0.01%
President Chain Store Corp	0.01%
Lixil Corp	0.01%
Gedeon Richter	0.01%
Lamb Weston Holdings Inc	0.01%
Gecina SA	0.01%
Home Product Center Non-Voting Dr	0.01%
Randstad Holding	0.01%
Grupo Bimbo A	0.01%
Red Electrica SA	0.01%
Natura Co Holding SA	0.01%
Kintetsu Group Holdings Ltd	0.01%
Ganfeng Lithium Ltd A	0.01%
Hana Financial Group Inc	0.01%
Rede Dor Sao Luiz Sa	0.01%
Ocado Group Plc	0.01%
HeidelbergCement AG	0.01%
Hirose Electric Ltd	0.01%
Newell Brands Inc	0.01%
HKT Trust & HKT Ltd	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Orkla	0.01%
Lojas Renner SA	0.01%
Lenovo Group Ltd	0.01%
Kingfisher Plc	0.01%
Pandora	0.01%
Indah Kiat Pulp & Paper	0.01%
Inner Mongolia Yili Industrial Group Co. Ltd	0.01%
Indorama Ventures Non-Voting Dr Pc	0.01%
Hennes & Mauritz	0.01%
Nio American Depositary Shares Rep	0.01%
Posco Chemical Ltd	0.01%
Nippon Building Fund Reit Inc	0.01%
Gildan Activewear Inc	0.01%
Nippon Paint Holdings Ltd	0.01%
Press Metal Aluminium Holdings	0.01%
Longfor Group Holdings Ltd	0.01%
LG Corp	0.01%
Henkel AG	0.01%
Hulic Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
George Weston Ltd	0.01%
LG Display Ltd	0.01%
Hoshizaki Corp	0.01%
Puma	0.01%
Lundin Mining Corp	0.01%
GN Store Nord	0.01%
Hotai Motor Ltd	0.01%
Kurita Water Industries Ltd	0.01%
Norsk Hydro	0.01%
Jeronimo Martins SA	0.01%
Industrial Bank Ltd A	0.01%
LG Electronics Inc	0.01%
Keio Corp	0.01%
Nestle Malaysia	0.01%
Hiwin Technologies Corp	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Invesco Ltd	0.01%
City Developments Ltd	0.01%
Energy Absolute Non-Voting Dr Pcl	0.01%
China Tourism Group Duty Free Corp	0.01%
Coca Cola HBC AG	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
Advanced Info Service Non-Voting D	0.01%
China Feihe Ltd	0.01%
Coca-Cola Femsa Class UBL Units	0.01%
Elia Group SA	0.01%
Abrdn Plc	0.01%
Erste Group Bank Ag	0.01%
Cable One Inc	0.01%
Banco Do Brasil SA	0.01%
Bank Pekao SA	0.01%
BTS Group Holdings Non-Voting Dr P	0.01%
Barito Pacific	0.01%
Axiata Group	0.01%
Barratt Developments	0.01%
Elanco Animal Health Inc	0.01%
Companhia Concessoes Rodoviarias SA	0.01%
Empire Ltd Class A	0.01%
Associated British Foods Plc	0.01%
Ballard Power Systems Inc	0.01%
Canadian Apartment Properties REIT	0.01%
Cia Energetica De Minas Gerais	0.01%
Adecco Group AG	0.01%
Far Eastone Telecommunications Ltd	0.01%
Capcom Ltd	0.01%
Accor SA	0.01%
Country Garden Services Holdings Co. Ltd	0.01%
Fortune Brands Home And Security Inc	0.01%
Covivio SA	0.01%
BMW Pref AG	0.01%
Coway Ltd	0.01%
Antofagasta Plc	0.01%
CapitaLand Integrated Commercial Trust	0.01%
Alstom Sa	0.01%
Capitaland Investment Ltd	0.01%
China Vanke Ltd A	0.01%
Carl Zeiss Meditec AG	0.01%
China Vanke Ltd H	0.01%
Carlyle Group Inc	0.01%
Chr Hansen Holding	0.01%
Cyber Agent Inc	0.01%
Energisa Units SA	0.01%
Dai Nippon Printing Ltd	0.01%
Equatorial Energia SA	0.01%
Asustek Computer Inc	0.01%
Amerco	0.01%
Atacadao Carrefour SA	0.01%
ESR Cayman Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Cemex CPO	0.01%
Eve Energy Ltd A	0.01%
Amplifon	0.01%
Bouygues SA	0.01%
Davita Inc	0.01%
CIMB Group Holdings	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
British Land Reit Plc	0.01%
Delivery Hero	0.01%
FirstService Subordinate Voting Co	0.01%
Biomerieux SA	0.01%
CJ CheilJedang Corp	0.01%
Demant	0.01%
Clariant AG	0.01%
Alibaba Health Information Tech Ltd	0.01%
Acer	0.01%
Charoen Pokphand Foods Non-Voting	0.01%
China Conch Venture Holdings Ltd	0.01%
Creditors	-3.69%
Total	64.38%
Alternatives	
The Maui Capital Aqua Fund	0.47%
The Maui Capital Indigo Fund	0.14%
Pencarrow IV Investment	0.01%
Total	0.63%
Grand Total	**100%**

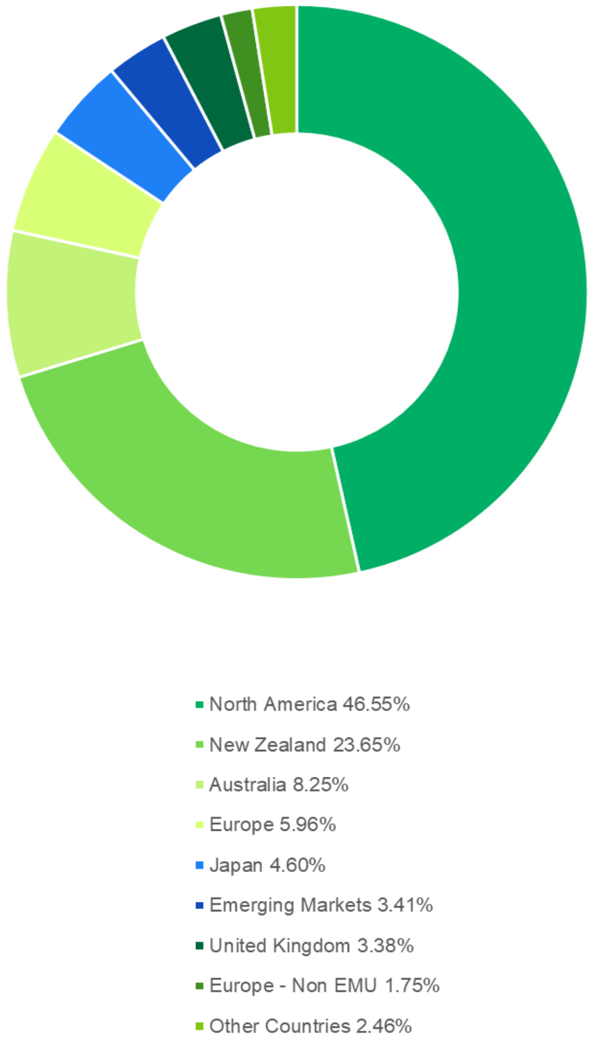
MAS KiwiSaver Scheme

Aggressive Fund Holdings

As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	3.63%
Other	0.16%
Total	3.79%
New Zealand fixed interest	
New Zealand	2.44%
Total	2.44%
International fixed interest	
North America	3.24%
Japan	1.46%
Europe	0.74%
United Kingdom	0.52%
Emerging Markets	0.16%
Europe - Non EMU	0.10%
New Zealand	0.00%
Australia	-0.03%
Other Countries	0.17%
Total	6.36%
Australasian equities	
New Zealand	20.87%
Australia	8.50%
Total	29.38%
International equities	
North America	43.24%
Europe	5.21%
Emerging Markets	3.23%
Japan	3.11%
United Kingdom	2.84%
Europe - Non EMU	1.64%
Australia	-0.23%
New Zealand	-3.85%
Other Countries	2.28%
Total	57.47%
Alternatives	
New Zealand	0.56%
Total	0.56%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 September 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/kiwisaver**

2. For holdings by region:
    a. 'Other countries' includes any other region not named.
    b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
    c. EMU is the European Economic and Monetary Union.
    d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
    a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	3.53%
China Construction Bank On Term @ 3.7% 17/06/2022 19/06/	0.07%
USD Cash (Alpha Committed)	0.05%
JPY Cash	0.03%
GBP Cash	0.02%
Westpac On Term @ 2.620% 15/02/2022 15/02/2023	0.01%
Other	0.08%
Total	3.79%
New Zealand fixed interest	
Bank of New Zealand 4.985% 07/06/2027	0.42%
Westpac 3.696% 16/02/27	0.24%
Vector Ltd 4.996% 14/03/2024	0.23%
Chorus Ltd 4.35% 06/12/2028	0.22%
NZ Govt 1.5% 15/05/2031	0.17%
ASB 5.524% 21/06/2027	0.14%
Auckland International Airport 3.29% 17/11/2026	0.11%
ANZ Bank NZ Limited 2.999% 17/09/2031	0.11%
Westpac 6.19% 16/09/2032	0.10%
Westpac 1.439% 02/24/26	0.10%
Transpower New Zealand 4.627% 16/09/2027	0.09%
Infratil Limited 3.50% 15/12/2029	0.09%
ANZ Bank NZ Limited 3.03% 20/03/2024	0.09%
Quayside Holding (QHLNZ) 10% Series	0.06%
BNZ 2.16% 29/01/2025	0.06%
Auckland International Airport 3.51% 10/10/2024	0.04%
Christchurch International Airport Limited 5.53% 05/04/2027	0.04%
ASB 1.646% 04/05/2026	0.03%
Kiwibank 2.635% 05/10/2026	0.02%
Christchurch City Holdings Ltd 3.01% 05/11/2026	0.02%
ASB 1.83% 08/19/2024	0.02%
Christchurch City Holdings Ltd 3.58% 27/11/2024	0.01%
Powerco Limited 4.67% 15/11/2024	0.01%
Westpac 2.083% 20/02/2025	0.01%
Total	2.44%
International fixed interest	
Hunter Global Fixed Interest Fund	6.36%
Total	6.36%
Australasian equities	
Infratil Ltd	3.50%
Fisher & Paykel Healthcare Ltd	2.09%
Meridian Energy Limited	1.85%
Spark New Zealand Ltd	1.75%
Mainfreight Ltd	1.69%
Auckland International Airport Ltd	1.45%
Ebos Group Ltd	1.34%
National Australia Bank Ltd	1.28%
A2 Milk Company Ltd	1.17%
Fletcher Building Ltd	1.13%
CSL Limited	0.94%
Chorus Ltd	0.85%
Macquarie Group Ltd	0.85%
Mercury NZ Limited	0.82%
NEXTDC Ltd	0.81%
Telstra Corp Ltd	0.73%
News Corp-CDI Class B	0.65%
Resmed Inc	0.64%
Coles Group Ltd	0.64%
Summerset Group Holdings Ltd	0.62%
Port of Tauranga Ltd	0.62%
Ramsay Health Care Ltd	0.53%
Freightways Ltd	0.53%
Allkem Ltd	0.49%
Oceania Healthcare Limited	0.43%
Ryman Healthcare Ltd	0.43%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Block Inc - CDI	0.43%
Xero Ltd	0.36%
Investore Property Limited	0.25%
Pushpay Holdings Ltd	0.18%
Wesfarmers Limited	0.17%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.15%
Total	29.38%
International equities	
Microsoft Corp	3.66%
Tesla Inc	1.39%
Alphabet Inc Class A	1.25%
Alphabet Inc Class C	1.18%
Procter & Gamble	0.84%
Nvidia Corp	0.70%
Visa Inc Class A	0.66%
Taiwan Semiconductor Manufacturing Co. Ltd	0.65%
Pepsico Inc	0.64%
Coca-Cola	0.64%
Eli Lilly	0.63%
Thermo Fisher Scientific Inc	0.62%
Roche Holding Par AG	0.62%
AbbVie Inc	0.57%
Mastercard Inc Class A	0.56%
Home Depot Inc	0.56%
Astrazeneca Plc	0.54%
Salesforce Inc	0.46%
Tencent Holdings Ltd	0.42%
Hsbc Holdings Plc	0.41%
Danaher Corp	0.41%
Adobe Inc	0.40%
Cisco Systems Inc	0.37%
Accenture Plc Class A	0.37%
Intuit Inc	0.36%
Walt Disney	0.34%
ASML Holding NV	0.34%
Novo Nordisk Class B	0.33%
Verizon Communications Inc	0.32%
Texas Instrument Inc	0.32%
Linde Plc	0.30%
Alibaba Group Holding Ltd	0.30%
Amgen Inc	0.30%
Unilever Plc	0.28%
Toyota Motor Corp	0.27%
Lowes Companies Inc	0.27%
International Business Machines Co	0.27%
Servicenow Inc	0.26%
Elevance Health Inc	0.25%
Amazon Com Inc	0.25%
Automatic Data Processing Inc	0.25%
United Parcel Service Inc Class B	0.24%
Apple Inc	0.24%
Intel Corporation Corp	0.24%
S&P Global Inc	0.24%
Toronto Dominion	0.22%
Becton Dickinson	0.22%
Abbott Laboratories	0.22%
Nike Inc Class B	0.21%
Charles Schwab Corp	0.21%
Aia Group Ltd	0.20%
Morgan Stanley	0.20%
Cigna Corp	0.20%
Colgate-Palmolive	0.20%
Caterpillar Inc	0.20%
Starbucks Corp	0.19%
Prologis REIT Inc	0.19%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Regeneron Pharmaceuticals Inc	0.19%
American Tower Reit Corp	0.19%
Deere	0.19%
Vertex Pharmaceuticals Inc	0.18%
Meituan	0.18%
SAP	0.18%
Chubb Ltd	0.18%
Gilead Sciences Inc	0.18%
Kimberly Clark Corp	0.17%
BlackRock Inc	0.17%
American Express	0.17%
Bnp Paribas SA	0.17%
Novartis Ag	0.16%
Johnson & Johnson	0.16%
Zoetis Inc Class A	0.16%
Target Corp	0.16%
Sony Group Corp	0.16%
Synopsys Inc	0.16%
Roper Technologies Inc	0.16%
Edwards Lifesciences Corp	0.16%
Applied Material Inc	0.16%
Unitedhealth Group Inc	0.15%
Medtronic Plc	0.15%
TJX Inc	0.15%
Loreal SA	0.15%
Marsh & McLennan Inc	0.15%
Autodesk Inc	0.15%
Cadence Design Systems Inc	0.15%
Humana Inc	0.14%
Illinois Tool Inc	0.14%
Oracle Corp	0.13%
Novo Nordisk Class B	0.13%
Waste Management Inc	0.13%
Progressive Corp	0.13%
PNC Financial Services Group Inc	0.13%
Lloyds Banking Group Plc	0.13%
General Mills Inc	0.13%
Booking Holdings Inc	0.13%
Allianz	0.13%
CME Group Inc Class A	0.13%
Crown Castle Inc	0.12%
Sherwin Williams	0.12%
Enphase Energy Inc	0.12%
Truist Financial Corp	0.12%
Vestas Wind Systems	0.12%
Lair Liquide Societe Anonyme Pour	0.12%
ING Groep NV	0.12%
Schneider Electric	0.12%
Bank Of Montreal	0.12%
CSX Corp	0.12%
Cvs Health Corp	0.11%
Relx Plc	0.11%
Reckitt Benckiser Group Plc	0.11%
Nordea Bank	0.11%
Lam Research Corp	0.11%
Bank Of Nova Scotia	0.11%
Essilorluxottica SA	0.11%
Electronic Arts Inc	0.11%
Dexcom Inc	0.11%
Aon Plc Class A	0.11%
Eaton Plc	0.11%
China Construction Bank Corp H	0.11%
Estee Lauder Inc Class	0.10%
Intercontinental Exchange Inc	0.10%
Intesa Sanpaolo	0.10%
HCA Healthcare Inc	0.10%
Lonza Group AG	0.10%
Norfolk Southern Corp	0.10%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Compagnie Financiere Richemont SA	0.10%
Centene Corp	0.10%
Equinix Reit Inc	0.10%
Ecolab Inc	0.10%
Banco Bilbao Vizcaya Argentaria SA	0.10%
ABB Ltd	0.10%
Daiichi Sankyo Ltd	0.10%
Aflac Inc	0.10%
Nutrien Ltd	0.09%
Meta Platforms Inc Class A	0.09%
Nxp Semiconductors Nv	0.09%
VMware Class A Inc	0.09%
Idexx Laboratories Inc	0.09%
Prosus NV	0.09%
KDDI Corp	0.09%
Nintendo Ltd	0.09%
Motorola Solutions Inc	0.09%
Baxter International Inc	0.09%
Compass Group Plc	0.09%
Biogen Inc	0.09%
Pfizer Inc	0.08%
Iqvia Holdings Inc	0.08%
Nucor Corp	0.08%
WW Grainger Inc	0.08%
PPG Industries Inc	0.08%
Recruit Holdings Ltd	0.08%
M&T Bank Corp	0.08%
Moodys Corp	0.08%
Hitachi Ltd	0.08%
Keurig Dr Pepper Inc	0.08%
Hormel Foods Corp	0.08%
Activision Blizzard Inc	0.08%
Axa SA	0.08%
Cardinal Health Inc	0.08%
DBS Group Holdings Ltd	0.08%
Daikin Industries Ltd	0.08%
Ansys Inc	0.08%
Canadian Imperial Bank of Commerce	0.08%
Agilent Technologies Inc	0.08%
Genuine Parts	0.08%
Glaxosmithkline	0.07%
Merck & Co Inc	0.07%
Plug Power Inc	0.07%
Palo Alto Networks Inc	0.07%
Intuitive Surgical Inc	0.07%
Prudential Plc	0.07%
Fanuc Corp	0.07%
Vodafone Group Plc	0.07%
Church And Dwight Inc	0.07%
T Rowe Price Group Inc	0.07%
West Pharmaceutical Services Inc	0.07%
Tokyo Electron Ltd	0.07%
Archer Daniels Midland	0.07%
Trane Technologies Plc	0.07%
Travelers Companies Inc	0.07%
Waste Connections Inc	0.07%
Kering SA	0.07%
Newmont	0.07%
Lululemon Athletica Inc	0.07%
MercadoLibre Inc	0.07%
Illumina Inc	0.07%
Johnson Controls International Plc	0.07%
Mccormick & Co Non-Voting Inc	0.07%
Hilton Worldwide Holdings Inc	0.07%
Hoya Corp	0.07%
Arthur J Gallagher	0.07%
Allstate Corp	0.07%
Clorox	0.07%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Bank Of New York Mellon Corp	0.07%
Warner Bros. Discovery Inc	0.06%
Sba Communications Reit Corp	0.06%
Welltower	0.06%
Sanofi Sa	0.06%
First Solar Inc	0.06%
Stryker Corp	0.06%
Dover Corp	0.06%
Banco Santander Sa	0.06%
Netease Inc	0.06%
Solaredge Technologies Inc	0.06%
Baidu Class A Inc	0.06%
Take Two Interactive Software Inc	0.06%
SK Hynix Inc	0.06%
SoftBank Corp	0.06%
Boston Scientific Corp	0.06%
Paccar Inc	0.06%
Itochu Corp	0.06%
Rockwell Automation Inc	0.06%
Merck	0.06%
Sika AG	0.06%
HP Inc	0.06%
Republic Services Inc	0.06%
Mettler Toledo Inc	0.06%
Ross Stores Inc	0.06%
Shopify Subordinate Voting Inc Class A	0.06%
Prudential Financial Inc	0.06%
Keysight Technologies Inc	0.06%
Deutsche Boerse AG	0.06%
Bank Central Asia	0.06%
Genmab	0.06%
Cummins Inc	0.06%
Carrier Global Corp	0.06%
Fast Retailing Ltd	0.06%
East Japan Railway	0.06%
Fastenal	0.06%
CRH Plc	0.06%
Amcor Plc	0.06%
First Republic Bank	0.06%
Daiwa House Industry Ltd	0.06%
Danone SA	0.06%
AmerisourceBergen Corp	0.06%
Ameriprise Finance Inc	0.06%
Old Dominion Freight Line	0.05%
Otis Worldwide Corp	0.05%
United Overseas Bank Ltd	0.05%
Mckesson Corp	0.05%
China Merchants Bank Ltd	0.05%
Mondelez International Inc Class A	0.05%
Splunk Inc	0.05%
Sysco Corp	0.05%
Broadcom Inc	0.05%
Verisk Analytics Inc	0.05%
Steris	0.05%
SVB Financial Group	0.05%
Alnylam Pharmaceuticals Inc	0.05%
Bristol Myers Squibb	0.05%
Barclays Plc	0.05%
Crowdstrike Holdings Inc Class A	0.05%
Workday Inc Class A	0.05%
Societe Generale SA	0.05%
Wolters Kluwer NV	0.05%
Willis Towers Watson Plc	0.05%
Hologic Inc	0.05%
Insulet Corp	0.05%
Huntington Bancshares Inc	0.05%
KKR and Co Inc	0.05%
Intact Financial Corp	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Koninklijke Ahold Delhaize NV	0.05%
Kellogg	0.05%
International Flavors & Fragrances	0.05%
Regions Financial Corp	0.05%
Molina Healthcare Inc	0.05%
Murata Manufacturing Ltd	0.05%
MediaTek Inc	0.05%
Ebay Inc	0.05%
Givaudan SA	0.05%
Fortive Corp	0.05%
BMW AG	0.05%
DNB Bank	0.05%
Cincinnati Financial Corp	0.05%
Ferguson Plc	0.05%
American Water Works Inc	0.05%
Ashtead Group Plc	0.05%
Astellas Pharma Inc	0.05%
Discover Financial Services	0.05%
Atlas Copco Class A	0.05%
Sampo	0.04%
Ulta Beauty Inc	0.04%
Martin Marietta Materials Inc	0.04%
Diageo Plc	0.04%
Byd Ltd	0.04%
Nortonlifelock Inc	0.04%
Hubspot Inc	0.04%
Fortinet Inc	0.04%
Walgreen Boots Alliance Inc	0.04%
Trade Desk Inc Class A	0.04%
Uni-President Enterprises Corp	0.04%
Terumo Corp	0.04%
West Fraser Timber Ltd	0.04%
Thomson Reuters Corp	0.04%
Umicore SA	0.04%
VF Corp	0.04%
SSE Plc	0.04%
State Street Corp	0.04%
Wh Group Ltd	0.04%
Weyerhaeuser REIT	0.04%
Albemarle Corp	0.04%
Tractor Supply	0.04%
Advanced Micro Devices Inc	0.04%
Swiss Re AG	0.04%
Brown Forman Corp Class B	0.04%
Wuxi Biologics Cayman Inc	0.04%
United Rentals Inc	0.04%
Yum China Holdings Inc	0.04%
Xylem Inc	0.04%
Kao Corp	0.04%
Pentair	0.04%
Northern Trust Corp	0.04%
Koninkilijke Dsm NV	0.04%
Principal Financial Group Inc	0.04%
Laboratory Corporation Of America	0.04%
KeyCorp	0.04%
Legrand SA	0.04%
Orange SA	0.04%
Hartford Financial Services Group	0.04%
Perkinelmer Inc	0.04%
Industria De Diseno Textil Inditex	0.04%
Raymond James Inc	0.04%
Ingersoll Rand Inc	0.04%
KBC Groep	0.04%
Nasdaq Inc	0.04%
Samsung SDI Ltd	0.04%
National Bank Of Canada	0.04%
Naver Corp	0.04%
Adidas N AG	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Abiomed Inc	0.04%
Geberit AG	0.04%
Chocoladefabriken Lindt & Spruengli AG	0.04%
Aptiv Plc	0.04%
Agnico Eagle Mines Ltd	0.04%
Franklin Resources Inc	0.04%
Chugai Pharmaceutical Ltd	0.04%
D R Horton Inc	0.04%
Citizens Financial Group Inc	0.04%
Bunge Ltd	0.04%
Assa Abloy AB	0.04%
Essity Class B	0.04%
Align Technology Inc	0.04%
CBRE Group Inc Class A	0.04%
Banco Bradesco Pref SA	0.04%
Fujitsu Ltd	0.04%
Conagra Brands Inc	0.04%
Copart Inc	0.04%
A O Smith Corp	0.04%
Compagnie Generale Des Etablisseme	0.03%
A P Moller Maersk	0.03%
Telekomunikasi Indonesia	0.03%
Zoominfo Technologies Inc	0.03%
Ventas Reit Inc	0.03%
Bayer Ag	0.03%
Lpl Financial Holdings Inc	0.03%
Jb Hunt Transport Services	0.03%
Quanta Services Inc	0.03%
Pearson Plc	0.03%
Contemporary Amperex Technology Lt	0.03%
Saputo Inc	0.03%
Constellation Brands Inc Class A	0.03%
Expeditors International Of Washin	0.03%
Federal Realty Investment Trust Re	0.03%
Marubeni Corp	0.03%
Cboe Global Markets Inc	0.03%
Incyte Corp	0.03%
Rio Tinto Plc	0.03%
Brown & Brown Inc	0.03%
Mcdonalds Corp	0.03%
Open Text Corp	0.03%
Essex Property Trust Reit Inc	0.03%
Unicredit	0.03%
Webster Financial Corp	0.03%
Panasonic Holdings Corp	0.03%
Walmart Inc	0.03%
Snowflake Class A	0.03%
Zimmer Biomet Holdings Inc	0.03%
Standard Chartered Plc	0.03%
Zendesk Inc	0.03%
Ptc Inc	0.03%
Paypal Holdings Inc	0.03%
Qualcomm Inc	0.03%
WR Berkley Corp	0.03%
Sompo Holdings Inc	0.03%
Teleperformance	0.03%
Upm-Kymmene	0.03%
Air Products And Chemicals Inc	0.03%
Water Corp	0.03%
United Micro Electronics Corp	0.03%
Straumann Holding AG	0.03%
Cintas Corp	0.03%
Sonova Holding AG	0.03%
Synchrony Financial	0.03%
Steel Dynamics Inc	0.03%
Unicharm Corp	0.03%
Wheaton Precious Metals Corp	0.03%
WSP Global Inc	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
China Yangtze Power Ltd A	0.03%
Corteva Inc	0.03%
Trimble Inc	0.03%
Datadog Inc Class A	0.03%
Teleflex Inc	0.03%
Swiss Life Holding AG	0.03%
Singapore Telecommunications Ltd	0.03%
Zebra Technologies Corp Class A	0.03%
Legal and General Group Plc	0.03%
Link Real Estate Investment Trust	0.03%
Kerry Group Plc	0.03%
Sandvik	0.03%
Public Bank	0.03%
Segro REIT Plc	0.03%
KB Financial Group Inc	0.03%
Shionogi Ltd	0.03%
Mosaic	0.03%
LKQ Corp	0.03%
Magna International Inc	0.03%
Novozymes B	0.03%
Quest Diagnostics Inc	0.03%
Omron Corp	0.03%
Kubota Corp	0.03%
Idex Corp	0.03%
Mitsubishi Estate Co Ltd	0.03%
Orix Corp	0.03%
Rogers Communications Non-Voting I	0.03%
Hewlett Packard Enterprise	0.03%
Li Auto Adr Inc	0.03%
Komatsu Ltd	0.03%
Pool Corp	0.03%
SGS SA	0.03%
Netflix Inc	0.03%
Shiseido Ltd	0.03%
Horizon Therapeutics Public Plc	0.03%
Nibe Industrier Class B	0.03%
Atlas Copco Class B	0.03%
Citrix Systems Inc	0.03%
Dai-Ichi Life Holdings Inc	0.03%
China Mengniu Dairy Ltd	0.03%
FactSet Research Systems Inc	0.03%
Boston Properties Reit Inc	0.03%
Biomarin Pharmaceutical Inc	0.03%
Commerzbank AG	0.03%
CH Robinson Worldwide Inc	0.03%
Dollarama Inc	0.03%
Expeditors International Of Washington Inc	0.03%
Campbell Soup	0.03%
Grupo Finance Banorte	0.03%
EDP Renovaveis SA	0.03%
Ball Corp	0.03%
Chunghwa Telecom Ltd	0.03%
Fujifilm Holdings Corp	0.03%
Eisai Ltd	0.03%
Coloplast B	0.03%
Arch Capital Group Ltd	0.03%
Ericsson B	0.03%
Bank Leumi Le Israel	0.03%
Delta Electronics Inc	0.03%
Cooper Inc	0.03%
Epam Systems Inc	0.02%
Alcon Ag	0.02%
Worldline Sa	0.02%
Rollins Inc	0.02%
Neurocrine Biosciences Inc	0.02%
Lear Corp	0.02%
Epiroc Class A	0.02%
Rivian Automotive Inc Class	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Power Corporation Of Canada	0.02%
Prysmian	0.02%
Knight-Swift Transportation Holdin	0.02%
Credicorp Ltd	0.02%
Digital Realty Trust Reit Inc	0.02%
Waters Corp	0.02%
Gea Group Ag	0.02%
Elastic Nv	0.02%
Guidewire Software Inc	0.02%
Swedbank	0.02%
Kraft Heinz	0.02%
Hershey Foods	0.02%
Natwest Group Plc	0.02%
Nippon Steel Corp	0.02%
Sunrun Inc	0.02%
3M	0.02%
Zoom Video Communications Inc Clas	0.02%
Svenska Handelsbanken-A Shs	0.02%
Zscaler Inc	0.02%
Fair Isaac Corp	0.02%
Kla Corp	0.02%
Microchip Technology Inc	0.02%
Sage Group Plc	0.02%
Paycom Software Inc	0.02%
Bentley Systems Inc Class B	0.02%
Palantir Technologies Inc Class A	0.02%
Deutsche Bank Ag	0.02%
Taiwan Cooperative Financial Holdings	0.02%
Siemens Gamesa Renewable Energy Sa	0.02%
Sumitomo Realty & Development Ltd	0.02%
Monster Beverage Corp	0.02%
Tyler Technologies Inc	0.02%
Realty Income Reit Corp	0.02%
Docusign Inc	0.02%
Celanese Corp	0.02%
Smartsheet Inc Class A	0.02%
Coupa Software Inc	0.02%
Analog Devices Inc	0.02%
Longi Green Energy Technology Ltd	0.02%
Stanley Black & Decker Inc	0.02%
Bill Com Holdings Inc	0.02%
Telia Company	0.02%
Svenska Cellulosa B	0.02%
Telus Corp	0.02%
Xinyi Solar Holdings Ltd	0.02%
Terna Rete Elettrica Nazionale	0.02%
TDK Corp	0.02%
Snap On Inc	0.02%
Bunzl	0.02%
WEG SA	0.02%
Verbund AG	0.02%
Sysmex Corp	0.02%
China Merchants Bank Ltd A	0.02%
WPP Plc	0.02%
Ping An Insurance (Group) Of China	0.02%
Toto Ltd	0.02%
Anglo American Plc	0.02%
Yaskawa Electric Corp	0.02%
Spirax-Sarco Engineering Plc	0.02%
Yokogawa Electric Corp	0.02%
Symrise AG	0.02%
Sungrow Power Supply Ltd A	0.02%
United Utilities Group Plc	0.02%
Transunion	0.02%
Vail Resorts Inc	0.02%
Wuliangye Yibin Ltd A	0.02%
Veolia Environ. SA	0.02%
Hanwha Solutions Corp	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Skandinaviska Enskilda Banken	0.02%
Sumitomo Mitsui Trust Holdings Inc	0.02%
Henkel & KGaA Pref AG	0.02%
MTR Corporation Corp Ltd	0.02%
Shinhan Financial Group Ltd	0.02%
NN Group NV	0.02%
Howmet Aerospace Inc	0.02%
Nomura Research Institute Ltd	0.02%
Next Plc	0.02%
Localiza Rent A Car SA	0.02%
Hydro One Ltd	0.02%
Masco Corp	0.02%
Nan Ya Plastics Corp	0.02%
Novocure Ltd	0.02%
Kuehne und Nagel International AG	0.02%
Informa Plc	0.02%
MarketAxess Holdings Inc	0.02%
NTT Data Corp	0.02%
Severn Trent Plc	0.02%
Hankyu Hanshin Holdings Inc	0.02%
Intertek Group Plc	0.02%
Mega Financial Holding Ltd	0.02%
MS&AD Insurance Group Holdings Inc	0.02%
Lennox International Inc	0.02%
Healthpeak Properties Inc	0.02%
Owens Corning	0.02%
Rentokil Initial Plc	0.02%
Jazz Pharmaceuticals Plc	0.02%
Robert Half	0.02%
Metro Inc	0.02%
Koninklijke KPN NV	0.02%
Hasbro Inc	0.02%
Malayan Banking	0.02%
Henry Schein Inc	0.02%
International Paper	0.02%
Mondi Plc	0.02%
Sekisui House Ltd	0.02%
Kakao Corp	0.02%
Kikkoman Corp	0.02%
Intercontinental Hotels Group Plc	0.02%
Interpublic Group Of Companies Inc	0.02%
Publicis Groupe SA	0.02%
Nissin Foods Holdings Ltd	0.02%
Pultegroup Inc	0.02%
Nomura Holdings Inc	0.02%
Azbil Corp	0.02%
Best Buy Inc	0.02%
Beiersdorf AG	0.02%
China Steel Corp	0.02%
E.Sun Financial Holding Ltd	0.02%
Hang Seng Bank Ltd	0.02%
AEON Ltd	0.02%
Brenntag SE	0.02%
Fomento Economico Mexicano	0.02%
Brookfield Renewable Subordinate V	0.02%
CarMax Inc	0.02%
Airports Of Thailand Non-Voting Dr	0.02%
Carrefour SA	0.02%
BT Group Plc	0.02%
Eiffage SA	0.02%
Burberry Group Plc	0.02%
Asahi Kasei Corp	0.02%
Bureau Veritas SA	0.02%
First Financial Holding Ltd	0.02%
CNH Industrial NV	0.02%
Fubon Financial Holding Ltd	0.02%
Coca Cola European Partners Plc	0.02%
China Overseas Land Investment Ltd	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Advance Auto Parts Inc	0.02%
Dominos Pizza Inc	0.02%
Cognex Corp	0.02%
Ajinomoto Inc	0.02%
BYD Ltd A	0.02%
Akzo Nobel NV	0.02%
Caixabank Sa	0.02%
Catalent Inc	0.02%
Cameco Corp	0.02%
Cathay Financial Holding Ltd	0.02%
Contemporary Amperex Technology Ltd	0.02%
Boliden	0.02%
BOC Hong Kong Holdings Ltd	0.02%
Ally Financial Inc	0.02%
CP All Non-Voting Dr Pcl	0.02%
Booz Allen Hamilton Holding Corp C	0.02%
Croda International Plc	0.02%
Berkeley Group Holdings (The) Plc	0.02%
CSPC Pharmaceutical Group Ltd	0.02%
Chailease Holding Ltd	0.02%
CTBC Financial Holding Ltd	0.02%
Generac Holdings Inc	0.02%
Daifuku Ltd	0.02%
Bio Techne Corp	0.02%
Alleghany Corp	0.02%
China Resources Land Ltd	0.02%
Microstrategy Inc Class A	0.01%
Altra Industrial Motion Corp	0.01%
Nemetschek	0.01%
Ambarella Inc	0.01%
Tingyi (Cayman Islands) Holdings C	0.01%
Asana Inc Class A	0.01%
Maxlinear Inc	0.01%
Ats Automation Tooling Systems Inc	0.01%
Cloudflare Inc Class A	0.01%
New Relic Inc	0.01%
Pagerduty Inc	0.01%
Bawag Group Ag	0.01%
First Merchants Corp	0.01%
Kadant Inc	0.01%
Molson Coors Brewing Class B	0.01%
Imcd Nv	0.01%
Obic Ltd	0.01%
Sartorius Pref Ag	0.01%
Lumen Technologies Inc	0.01%
Constellation Software Inc	0.01%
Eqt	0.01%
Koninklijke Philips Nv	0.01%
Gruma	0.01%
Hypermarcas Sa	0.01%
Nexi	0.01%
Argenx	0.01%
Exact Sciences Corp	0.01%
Eurofins Scientific	0.01%
Salmar	0.01%
Lakeland Financial Corp	0.01%
Zalando	0.01%
Servisfirst Bancshares Inc	0.01%
Dino Polska Sa	0.01%
Temenos Ag	0.01%
Atacadao Carrefour SA	0.01%
Tianqi Lithium Industries Corp A	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Evonik Industries Ag	0.01%
Apollo Global Management Inc	0.01%
Scb X Public Company Limited Non-V	0.01%
Bankunited Inc	0.01%
Sartorius Stedim Biotech Sa	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
First Interstate Bancsystem Inc Cl	0.01%
Fresenius Se And Co Kgaa	0.01%
Grab Holdings Ltd Class	0.01%
Jackson Financial Inc Class A	0.01%
Seacoast Banking Of Florida	0.01%
Dieteren (D) Sa	0.01%
Air China Ltd	0.01%
Turkiye Sise Ve Cam Fabrikalari A	0.01%
Pt Sumber Alfaria	0.01%
Siemens Healthineers Ag	0.01%
Holmen Class B	0.01%
Wells Fargo	0.01%
Companhia De Saneamento Basico	0.01%
True Corporation Non-Voting	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Nordson Corp	0.01%
Korea Zinc Inc	0.01%
Danske Bank	0.01%
China Everbright Environment Group	0.01%
Prosperity Bancshares Inc	0.01%
Novanta Inc	0.01%
Paylocity Holding Corp	0.01%
Ormat Tech Inc	0.01%
Penumbra Inc	0.01%
Banco Bpm	0.01%
Hexagon Class B	0.01%
Live Oak Bancshares Inc	0.01%
Pennymac Financial Services Inc	0.01%
Wsfs Financial Corp	0.01%
Hillenbrand Inc	0.01%
Auo Corp	0.01%
Home Bancshares Inc	0.01%
Grupo Aeroportuario Del Sureste	0.01%
Pinnacle Financial Partners Inc	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
Descartes Systems Group Inc	0.01%
Moderna Inc	0.01%
Persimmon Plc	0.01%
Finecobank Banca Fineco	0.01%
East West Bancorp Inc	0.01%
Powszechna Kasa Oszczednosci Bank	0.01%
Hilltop Holdings Inc	0.01%
Unity Software Inc	0.01%
Experian Plc	0.01%
Hapvida Participacoes E Investimen	0.01%
Hancock Whitney Corp	0.01%
Lg H & H Ltd	0.01%
Qualys Inc	0.01%
Tingyi (Cayman Islands) Holdings	0.01%
Radian Group Inc	0.01%
Sino Land Ltd	0.01%
Independent Bank Group Inc	0.01%
Daqo New Energy Adr Representing	0.01%
Rocket Companies Inc Class A	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Dassault Systemes	0.01%
Abn Amro Bank Nv	0.01%
Signature Bank	0.01%
Bank Of Ireland Group Plc	0.01%
Ipg Photonics Corp	0.01%
Community Bank System Inc	0.01%
Simmons First National Corp Class	0.01%
Micron Technology Inc	0.01%
First Citizens Bancshares Inc Clas	0.01%
International Bancshares Corp	0.01%
First Financial Bankshares Inc	0.01%
Nmi Holdings Inc Class A	0.01%
Shoals Technologies Group Inc Clas	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Banco De Sabadell Sa	0.01%
Gartner Inc	0.01%
Equitable Holdings Inc	0.01%
Silvergate Capital Class A Corp	0.01%
Nutanix Inc Class A	0.01%
Silicon Laboratories Inc	0.01%
Glacier Bancorp Inc	0.01%
John Bean Technologies Corp	0.01%
Grupo Televisa	0.01%
Smith And Nephew Plc	0.01%
Samsung Life Ltd	0.01%
First Hawaiian Inc	0.01%
Want Want China Holdings	0.01%
Jpmorgan Chase & Co	0.01%
Welcia Holdings Ltd	0.01%
Synovus Financial Corp	0.01%
Mitsubishi Chemical Group Corp	0.01%
First Horizon Corp	0.01%
Ricoh Ltd	0.01%
Sps Commerce Inc	0.01%
Bank Ozk	0.01%
Sprout Social Inc Class A	0.01%
Banco Bradesco Sa	0.01%
Sunpower Corp	0.01%
Ja Solar Technology Ltd A	0.01%
Block Inc Class A	0.01%
Eastern Bankshares Inc	0.01%
Southstate Corp	0.01%
Poly Developments And Holdings Gro	0.01%
Dynatrace Inc	0.01%
China State Construction Engineeri	0.01%
Lincoln Electric Holdings Inc	0.01%
Credit Agricole Sa	0.01%
Sun Communities Reit Inc	0.01%
Banner Corp	0.01%
Shockwave Medical Inc	0.01%
Bankinter Sa	0.01%
Spectris Plc	0.01%
Marvell Technology Inc	0.01%
Lattice Semiconductor Corp	0.01%
Columbia Banking System Inc	0.01%
London Stock Exchange Group Plc	0.01%
Mgic Investment Corp	0.01%
Texas Capital Bancshares Inc	0.01%
Flagstar Bancorp Inc	0.01%
Teradata Corp	0.01%
First Bancorp	0.01%
Te Connectivity Ltd	0.01%
Independent Bank Corp	0.01%
Teradyne Inc	0.01%
Dolby Laboratories Inc Class A	0.01%
Tesco Plc	0.01%
Old National Bancorp	0.01%
Tyson Foods Inc Class A	0.01%
Pacific Premier Bancorp Inc	0.01%
Manhattan Associates Inc	0.01%
Sunnova Energy International Inc	0.01%
Twitter Inc	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Masimo Corp	0.01%
Triumph Bancorp Inc	0.01%
United Bankshares Inc	0.01%
United Community Banks Inc	0.01%
Umb Financial Corp	0.01%
Fulton Financial Corp	0.01%
Umpqua Holdings Corp	0.01%
Essent Group Ltd	0.01%
Meyer Burger Technology Ag	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Nippon Express Holdings Inc	0.01%
Us Bancorp	0.01%
New York Community Bancorp Inc	0.01%
Valmet	0.01%
S.F. Holding Ltd	0.01%
Valley National	0.01%
Hmm Ltd	0.01%
Vonovia Se	0.01%
Ncsoft Corp	0.01%
Washington Federal Inc	0.01%
Cgi Inc	0.01%
Western Alliance	0.01%
Meiji Holdings Ltd	0.01%
Fidelity National Information Serv	0.01%
Ito En Ltd	0.01%
Fiserv Inc	0.01%
Woori Financial Group Inc	0.01%
Walker & Dunlop Inc	0.01%
On Semiconductor Corp	0.01%
Fifth Third Bancorp	0.01%
Onto Innovation Inc	0.01%
Wintrust Financial Corp	0.01%
China Three Gorges Renewables	0.01%
Western Union	0.01%
Corning Inc	0.01%
Five9 Inc	0.01%
Globus Medical Inc Class A	0.01%
Flutter Entertainment Plc	0.01%
Pacwest Bancorp	0.01%
Zions Bancorporation	0.01%
Global Payments Inc	0.01%
Fnb Corp	0.01%
Bumrungrad Hospital Non-Voting	0.01%
Metso Outotec Corp	0.01%
Paychex Inc	0.01%
S.F. Holding Ltd A	0.01%
Snap Inc Class A	0.01%
Postal Savings Bank Of China Ltd A	0.01%
Bank Of America Corp	0.01%
Solvay SA	0.01%
St Jamess Place Plc	0.01%
Cathay General Bancorp	0.01%
Yadea Group Holdings Ltd	0.01%
Suntory Beverage & Food Ltd	0.01%
Yageo Corp	0.01%
Associated Bancorp	0.01%
Yakult Honsha Ltd	0.01%
Tokyu Corp	0.01%
Taiwan Cement Corp	0.01%
Mr Cooper Group Inc	0.01%
Yamaha Motor Ltd	0.01%
Flat Glass Group Ltd H	0.01%
Sirius Xm Holdings Inc	0.01%
SKF B	0.01%
Voya Financial Inc	0.01%
Arista Networks Inc	0.01%
Taiwan High Speed Rail Corp	0.01%
Avalara Inc	0.01%
Yunnan Baiyao Group Ltd A	0.01%
Vivendi	0.01%
Z Holdings Corp	0.01%
Box Inc Class A	0.01%
Dropbox Inc Class A	0.01%
Cullen Frost Bankers Inc	0.01%
Smurfit Kappa Group Plc	0.01%
Cognizant Technology Solutions Cor	0.01%
Taiwan Mobile Ltd	0.01%
Advantest Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Airtac International Group	0.01%
Japan Real Estate Investment Trust	0.01%
Yang Ming Marine Transport Corp	0.01%
Ameris Bancorp	0.01%
Citic Ltd	0.01%
Taylor Wimpey Plc	0.01%
Baoshan Iron & Steel Ltd A	0.01%
Sumitomo Metal Mining Ltd	0.01%
Tongcheng Travel Holdings Ltd	0.01%
Amphenol Corp Class A	0.01%
Gerdau Pref Sa	0.01%
Aviva Plc	0.01%
Hellofresh	0.01%
Alteryx Inc Class A	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Bloom Energy Class A Corp	0.01%
Land Securities Group Reit Plc	0.01%
Black Knight Inc	0.01%
Leg Immobilien N	0.01%
Bank Of Hawaii Corp	0.01%
Merdeka Copper Gold	0.01%
Telefonica Brasil SA	0.01%
Raia Drogasil Sa	0.01%
Ceridian Hcm Holding Inc	0.01%
Tfi International Inc	0.01%
Clarivate Plc	0.01%
Totvs Sa	0.01%
Valeo	0.01%
Wartsila	0.01%
Xpeng Adr Representing Inc	0.01%
Ping An Bank Ltd A	0.01%
Foshan Hai Tian Flavouring & Food	0.01%
Luzhou Lao Jiao Ltd A	0.01%
Keyence Corp	0.01%
Boe Technology Group Ltd A	0.01%
UCB SA	0.01%
Telenor	0.01%
Swire Pacific Ltd A	0.01%
Bank Of Ningbo Ltd A	0.01%
Sumitomo Chemical Ltd	0.01%
Jiangsu Yanghe Brewery Joint-Stock	0.01%
Whitbread Plc	0.01%
Luxshare Precision Industry Ltd A	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Muyuan Foods Ltd A	0.01%
Altair Engineering Inc Class A	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Ametek Inc	0.01%
Stora Enso Class R	0.01%
Acciona Sa	0.01%
Cs Wind Corp	0.01%
Tobu Railway Ltd	0.01%
Sun Hung Kai Properties Ltd	0.01%
Array Technologies Inc	0.01%
Vinda International Ltd	0.01%
Atlantic Union Bankshares Corp	0.01%
Aier Eye Hospital Group Ltd A	0.01%
Teladoc Health Inc	0.01%
East Money Information Ltd A	0.01%
Axos Financial Inc	0.01%
Cvb Financial Corp	0.01%
Aspen Technology Inc	0.01%
Darling Ingredients Inc	0.01%
Tele2 B	0.01%
Nippon Prologis Reit Inc	0.01%
Taisei Corp	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Bio Rad Laboratories Inc Class A	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Shanghai Pudong Development Bank L	0.01%
Boralex Inc Class A	0.01%
China Minsheng Banking Corp Ltd A	0.01%
Toray Industries Inc	0.01%
Citic Securities Ltd A	0.01%
Bok Financial Corp	0.01%
West Japan Railway	0.01%
Popular Inc	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Citigroup Inc	0.01%
Wanhua Chemical Group Ltd A	0.01%
Commerce Bancshares Inc	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Cdw Corp	0.01%
Sinopac Financial Holdings Ltd	0.01%
Wuxi Apptec Ltd A	0.01%
Bank Of Jiangsu Corporation Ltd A	0.01%
Comerica Inc	0.01%
Swire Properties Ltd	0.01%
Wuxi Apptec Ltd H	0.01%
Agricultural Bank Of China Ltd A	0.01%
Toromont Industries Ltd	0.01%
Westrock	0.01%
Taishin Financial Holding Ltd	0.01%
Bank Of Communications Ltd A	0.01%
Industrial And Commercial Bank Of	0.01%
Wens Foodstuff Group Ltd	0.01%
Telefonica Deutschland Holding AG	0.01%
Largan Precision Ltd	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
Yamaha Corp	0.01%
Rumo SA	0.01%
Mowi	0.01%
Shanghai Commercial Ltd	0.01%
Nippon Paint Holdings Ltd	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Nippon Yusen	0.01%
Kinross Gold Corp	0.01%
Klabin Units SA	0.01%
Nio American Depositary Shares Rep	0.01%
Nitto Denko Corp	0.01%
Keio Corp	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Lojas Renner SA	0.01%
Lamb Weston Holdings Inc	0.01%
Nestle Malaysia	0.01%
Home Product Center Non-Voting Dr	0.01%
Kintetsu Group Holdings Ltd	0.01%
Klepierre REIT SA	0.01%
Shimizu Corp	0.01%
Norsk Hydro	0.01%
Singapore Exchange Ltd	0.01%
Industrial Bank Ltd A	0.01%
Lixil Corp	0.01%
Invesco Ltd	0.01%
Mtu Aero Engines Holding Ag	0.01%
Kobayashi Pharmaceutical Ltd	0.01%
Hellenic Telecommunications Organization SA	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Kesko Class B	0.01%
Lenovo Group Ltd	0.01%
Sainsbury (J) Plc	0.01%
HeidelbergCement AG	0.01%
Kghm Polska Miedz Sa	0.01%
Obayashi Corp	0.01%
Newell Brands Inc	0.01%
Ocado Group Plc	0.01%
Kurita Water Industries Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Odakyu Electric Railway Ltd	0.01%
Shimadzu Corp	0.01%
Hirose Electric Ltd	0.01%
Indorama Ventures Non-Voting Dr Pc	0.01%
LG Corp	0.01%
Henkel AG	0.01%
Orion Class B	0.01%
Randstad Holding	0.01%
Inner Mongolia Yili Industrial Group Co. Ltd	0.01%
Red Electrica SA	0.01%
Orkla	0.01%
Hotai Motor Ltd	0.01%
OTP Bank	0.01%
Kingspan Group Plc	0.01%
Pandora	0.01%
Resona Holdings Inc	0.01%
JDE Peets Nv	0.01%
Ibiden Ltd	0.01%
LG Electronics Inc	0.01%
Korean Air Lines Ltd	0.01%
Jeronimo Martins SA	0.01%
Rohm Ltd	0.01%
Posco Chemical Ltd	0.01%
Longfor Group Holdings Ltd	0.01%
PPB Group	0.01%
Natura Co Holding SA	0.01%
JFE Holdings Inc	0.01%
Kuala Lumpur Kepong	0.01%
President Chain Store Corp	0.01%
Hulic Ltd	0.01%
Press Metal Aluminium Holdings	0.01%
Schroders Plc	0.01%
Kingfisher Plc	0.01%
Sekisui Chemical Ltd	0.01%
Jm Smucker	0.01%
Sensata Technologies Holding Plc	0.01%
Hoshizaki Corp	0.01%
SG Holdings Ltd	0.01%
Kajima Corp	0.01%
Shandong Weigao Group Medical PlyPolymer Co. Ltd	0.01%
Mitsui Chemicals Inc	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Kalbe Farma	0.01%
Shimao Group Holdings Ltd	0.01%
Hiwin Technologies Corp	0.01%
Lundin Mining Corp	0.01%
Lincoln National Corp	0.01%
Hennes & Mauritz	0.01%
HKT Trust & HKT Ltd	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
Puma	0.01%
Singapore Airlines Ltd	0.01%
Qiagen NV	0.01%
Nippon Building Fund Reit Inc	0.01%
Ganfeng Lithium Ltd H	0.01%
Central Japan Railway	0.01%
Canadian Apartment Properties REIT	0.01%
Capcom Ltd	0.01%
Amplifon	0.01%
Annaly Capital Management Reit Inc	0.01%
Dai Nippon Printing Ltd	0.01%
CapitaLand Integrated Commercial Trust	0.01%
Cemex CPO	0.01%
Capitaland Investment Ltd	0.01%
Banco Do Brasil SA	0.01%
Advanced Info Service Non-Voting D	0.01%
Bangkok Dusit Medical Services	0.01%
Coca Cola HBC AG	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Gedeon Richter	0.01%
Davita Inc	0.01%
BMW Pref AG	0.01%
Associated British Foods Plc	0.01%
ESR Cayman Ltd	0.01%
Allegion Plc	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
Delivery Hero	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
Assurant Inc	0.01%
Burlington Stores Inc	0.01%
Demant	0.01%
Fortune Brands Home And Security Inc	0.01%
Dentsply Sirona Inc	0.01%
China Conch Venture Holdings Ltd	0.01%
Bouygues SA	0.01%
Amerco	0.01%
Antofagasta Plc	0.01%
China Feihe Ltd	0.01%
Carl Zeiss Meditec AG	0.01%
Gildan Activewear Inc	0.01%
Carlyle Group Inc	0.01%
Grupo Bimbo A	0.01%
Coca-Cola Femsa Class UBL Units	0.01%
Erste Group Bank Ag	0.01%
CIMB Group Holdings	0.01%
Country Garden Services Holdings Co. Ltd	0.01%
Chr Hansen Holding	0.01%
Eve Energy Ltd A	0.01%
Barratt Developments	0.01%
Covivio SA	0.01%
Cable One Inc	0.01%
Far Eastone Telecommunications Ltd	0.01%
Abrdn Plc	0.01%
Clariant AG	0.01%
Accor SA	0.01%
Ballard Power Systems Inc	0.01%
Companhia Concessoes Rodoviarias SA	0.01%
FirstService Subordinate Voting Co	0.01%
Biomerieux SA	0.01%
China Vanke Ltd H	0.01%
Hana Financial Group Inc	0.01%
BorgWarner Inc	0.01%
Alstom Sa	0.01%
Charoen Pokphand Foods Non-Voting	0.01%
Elanco Animal Health Inc	0.01%
Ganfeng Lithium Ltd A	0.01%
British Land Reit Plc	0.01%
Garmin Ltd	0.01%
City Developments Ltd	0.01%
Gecina SA	0.01%
Elia Group SA	0.01%
Cyber Agent Inc	0.01%
Elisa	0.01%
Adecco Group AG	0.01%
Empire Ltd Class A	0.01%
George Weston Ltd	0.01%
Energisa Units SA	0.01%
Acer	0.01%
Energy Absolute Non-Voting Dr Pcl	0.01%
GN Store Nord	0.01%
Equatorial Energia SA	0.01%
Cia Energetica De Minas Gerais	0.01%
Asustek Computer Inc	0.01%
Bank Pekao SA	0.01%
China Vanke Ltd A	0.01%
China Tourism Group Duty Free Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Creditors	-3.06%
Total	57.47%
Alternatives	
The Maui Capital Aqua Fund	0.41%
The Maui Capital Indigo Fund	0.14%
Pencarrow IV Investment	0.01%
Total	0.56%
Grand Total	**100%**

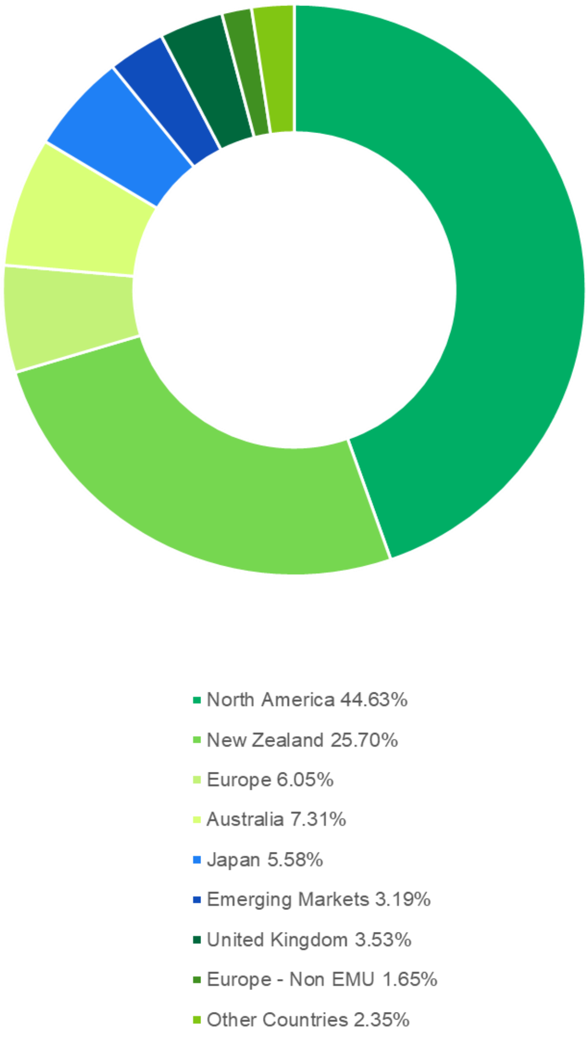
MAS KiwiSaver Scheme

Growth Fund Holdings

As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	4.78%
Other	0.15%
Total	4.93%
New Zealand fixed interest	
New Zealand	5.30%
Total	5.30%
International fixed interest	
North America	6.18%
Japan	2.79%
Europe	1.42%
United Kingdom	1.00%
Emerging Markets	0.30%
Europe - Non EMU	0.19%
New Zealand	0.00%
Australia	-0.06%
Other Countries	0.32%
Total	12.15%
Australasian equities	
New Zealand	18.59%
Australia	7.58%
Total	26.17%
International equities	
North America	38.39%
Europe	4.62%
Emerging Markets	2.87%
Japan	2.76%
United Kingdom	2.52%
Europe - Non EMU	1.46%
Australia	-0.20%
New Zealand	-3.42%
Other Countries	2.02%
Total	51.02%
Alternatives	
New Zealand	0.44%
Total	0.44%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 September 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at mas.co.nz/Kiwisaver
2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.
3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.
4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.
5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at mas.co.nz/kiwisaver

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	4.58%
China Construction Bank On Term @ 3.7% 17/06/2022 19/06/	0.16%
USD Cash	0.06%
JPY Cash	0.03%
Westpac On Term @ 2.620% 15/02/2022 15/02/2023	0.03%
Other	0.06%
Total	4.93%
New Zealand fixed interest	
Bank of New Zealand 4.985% 07/06/2027	0.92%
Westpac 3.696% 16/02/27	0.52%
Vector Ltd 4.996% 14/03/2024	0.49%
Chorus Ltd 4.35% 06/12/2028	0.48%
NZ Govt 1.5% 15/05/2031	0.37%
ASB 5.524% 21/06/2027	0.31%
Auckland International Airport 3.29% 17/11/2026	0.24%
ANZ Bank NZ Limited 2.999% 17/09/2031	0.23%
Westpac 1.439% 02/24/26	0.22%
Westpac 6.19% 16/09/2032	0.22%
Transpower New Zealand 4.627% 16/09/2027	0.19%
Infratil Limited 3.50% 15/12/2029	0.19%
ANZ Bank NZ Limited 3.03% 20/03/2024	0.19%
Quayside Holding (QHLNZ) 10% Series	0.14%
BNZ 2.16% 29/01/2025	0.13%
Auckland International Airport 3.51% 10/10/2024	0.09%
Christchurch International Airport Limited 5.53% 05/04/2027	0.09%
ASB 1.646% 04/05/2026	0.06%
Kiwibank 2.635% 05/10/2026	0.04%
Christchurch City Holdings Ltd 3.01% 05/11/2026	0.04%
Westpac 2.083% 20/02/2025	0.03%
Christchurch City Holdings Ltd 3.58% 27/11/2024	0.03%
Powerco Limited 4.67% 15/11/2024	0.03%
ASB 1.83% 08/19/2024	0.03%
Total	5.30%
International fixed interest	
Hunter Global Fixed Interest Fund	12.50%
Total	12.50%
Australasian equities	
Infratil Ltd	3.12%
Fisher & Paykel Healthcare Ltd	1.86%
Meridian Energy Limited	1.65%
Spark New Zealand Ltd	1.56%
Mainfreight Ltd	1.50%
Auckland International Airport Ltd	1.30%
Ebos Group Ltd	1.20%
National Australia Bank Ltd	1.14%
A2 Milk Company Ltd	1.04%
Fletcher Building Ltd	1.01%
CSL Limited	0.84%
Chorus Ltd	0.75%
Macquarie Group Ltd	0.75%
Mercury NZ Limited	0.73%
NEXTDC Ltd	0.72%
Telstra Corp Ltd	0.65%
News Corp-CDI Class B	0.58%
Resmed Inc	0.57%
Coles Group Ltd	0.57%
Summerset Group Holdings Ltd	0.55%
Port of Tauranga Ltd	0.55%
Ramsay Health Care Ltd	0.47%
Freightways Ltd	0.47%
Allkem Ltd	0.43%
Oceania Healthcare Limited	0.39%
Block Inc - CDI	0.39%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Ryman Healthcare Ltd	0.38%
Xero Ltd	0.32%
Investore Property Limited	0.22%
Pushpay Holdings Ltd	0.16%
Wesfarmers Limited	0.15%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.13%
Total	26.17%
International equities	
Microsoft Corp	3.25%
Tesla Inc	1.23%
Alphabet Inc Class A	1.11%
Alphabet Inc Class C	1.05%
Procter & Gamble	0.74%
Nvidia Corp	0.62%
Visa Inc Class A	0.59%
Taiwan Semiconductor Manufacturing Co. Ltd	0.57%
Coca-Cola	0.57%
Pepsico Inc	0.56%
Eli Lilly	0.56%
Thermo Fisher Scientific Inc	0.55%
Roche Holding Par AG	0.55%
AbbVie Inc	0.51%
Mastercard Inc Class A	0.50%
Home Depot Inc	0.50%
Astrazeneca Plc	0.48%
Salesforce Inc	0.41%
Hsbc Holdings Plc	0.37%
Tencent Holdings Ltd	0.37%
Danaher Corp	0.36%
Adobe Inc	0.36%
Cisco Systems Inc	0.33%
Accenture Plc Class A	0.33%
Intuit Inc	0.32%
Walt Disney	0.30%
ASML Holding NV	0.30%
Texas Instrument Inc	0.29%
Novo Nordisk Class B	0.29%
Verizon Communications Inc	0.28%
Alibaba Group Holding Ltd	0.27%
Amgen Inc	0.27%
Linde Plc	0.26%
Unilever Plc	0.24%
Toyota Motor Corp	0.24%
International Business Machines Co	0.24%
Lowes Companies Inc	0.24%
Servicenow Inc	0.23%
Elevance Health Inc	0.22%
Apple Inc	0.22%
Amazon Com Inc	0.22%
Intel Corporation Corp	0.22%
Automatic Data Processing Inc	0.22%
United Parcel Service Inc Class B	0.21%
S&P Global Inc	0.21%
Toronto Dominion	0.20%
Nike Inc Class B	0.19%
Becton Dickinson	0.19%
Abbott Laboratories	0.19%
Aia Group Ltd	0.18%
Morgan Stanley	0.18%
Caterpillar Inc	0.18%
Cigna Corp	0.18%
Charles Schwab Corp	0.18%
Starbucks Corp	0.17%
Regeneron Pharmaceuticals Inc	0.17%
Prologis REIT Inc	0.17%
Deere	0.17%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Colgate-Palmolive	0.17%
American Tower Reit Corp	0.17%
Vertex Pharmaceuticals Inc	0.16%
SAP	0.16%
Meituan	0.16%
Gilead Sciences Inc	0.16%
Chubb Ltd	0.16%
Novartis Ag	0.15%
Johnson & Johnson	0.15%
Target Corp	0.15%
Kimberly Clark Corp	0.15%
Roper Technologies Inc	0.15%
American Express	0.15%
BlackRock Inc	0.15%
Applied Material Inc	0.15%
Bnp Paribas SA	0.15%
Synopsys Inc	0.14%
Zoetis Inc Class A	0.14%
Sony Group Corp	0.14%
Loreal SA	0.14%
Edwards Lifesciences Corp	0.14%
Unitedhealth Group Inc	0.13%
Medtronic Plc	0.13%
TJX Inc	0.13%
Illinois Tool Inc	0.13%
Humana Inc	0.13%
Marsh & McLennan Inc	0.13%
Autodesk Inc	0.13%
Cadence Design Systems Inc	0.13%
Novo Nordisk Class B	0.12%
Oracle Corp	0.12%
Waste Management Inc	0.12%
Progressive Corp	0.12%
PNC Financial Services Group Inc	0.12%
Booking Holdings Inc	0.12%
Crown Castle Inc	0.11%
Sherwin Williams	0.11%
Enphase Energy Inc	0.11%
Truist Financial Corp	0.11%
Vestas Wind Systems	0.11%
Schneider Electric	0.11%
Lair Liquide Societe Anonyme Pour	0.11%
Lloyds Banking Group Plc	0.11%
General Mills Inc	0.11%
Allianz	0.11%
CME Group Inc Class A	0.11%
Cvs Health Corp	0.10%
Relx Plc	0.10%
Reckitt Benckiser Group Plc	0.10%
Lam Research Corp	0.10%
ING Groep NV	0.10%
Nordea Bank	0.10%
Essilorluxottica SA	0.10%
Dexcom Inc	0.10%
China Construction Bank Corp H	0.10%
Bank Of Montreal	0.10%
Electronic Arts Inc	0.10%
Bank Of Nova Scotia	0.10%
Aon Plc Class A	0.10%
CSX Corp	0.10%
Estee Lauder Inc Class	0.09%
HCA Healthcare Inc	0.09%
Intercontinental Exchange Inc	0.09%
Lonza Group AG	0.09%
Intesa Sanpaolo	0.09%
Norfolk Southern Corp	0.09%
Equinix Reit Inc	0.09%
Eaton Plc	0.09%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Aflac Inc	0.09%
Centene Corp	0.09%
Ecolab Inc	0.09%
Compagnie Financiere Richemont SA	0.09%
Banco Bilbao Vizcaya Argentaria SA	0.09%
Daiichi Sankyo Ltd	0.09%
Nutrien Ltd	0.08%
Meta Platforms Inc Class A	0.08%
Nxp Semiconductors Nv	0.08%
VMware Class A Inc	0.08%
KDDI Corp	0.08%
Idexx Laboratories Inc	0.08%
Prosus NV	0.08%
Motorola Solutions Inc	0.08%
Nintendo Ltd	0.08%
Baxter International Inc	0.08%
Compass Group Plc	0.08%
ABB Ltd	0.08%
Biogen Inc	0.08%
Iqvia Holdings Inc	0.07%
Pfizer Inc	0.07%
Nucor Corp	0.07%
WW Grainger Inc	0.07%
Travelers Companies Inc	0.07%
Vodafone Group Plc	0.07%
Keurig Dr Pepper Inc	0.07%
Hitachi Ltd	0.07%
Hormel Foods Corp	0.07%
M&T Bank Corp	0.07%
Recruit Holdings Ltd	0.07%
PPG Industries Inc	0.07%
Moodys Corp	0.07%
Mccormick & Co Non-Voting Inc	0.07%
Cardinal Health Inc	0.07%
Ansys Inc	0.07%
Axa SA	0.07%
Genuine Parts	0.07%
Agilent Technologies Inc	0.07%
Canadian Imperial Bank of Commerce	0.07%
DBS Group Holdings Ltd	0.07%
Activision Blizzard Inc	0.07%
Daikin Industries Ltd	0.07%
Glaxosmithkline	0.06%
Prudential Plc	0.06%
Palo Alto Networks Inc	0.06%
Intuitive Surgical Inc	0.06%
Solaredge Technologies Inc	0.06%
Baidu Class A Inc	0.06%
Merck & Co Inc	0.06%
Stryker Corp	0.06%
Plug Power Inc	0.06%
Archer Daniels Midland	0.06%
T Rowe Price Group Inc	0.06%
SK Hynix Inc	0.06%
Trane Technologies Plc	0.06%
Fanuc Corp	0.06%
Church And Dwight Inc	0.06%
Boston Scientific Corp	0.06%
Waste Connections Inc	0.06%
Tokyo Electron Ltd	0.06%
West Pharmaceutical Services Inc	0.06%
Johnson Controls International Plc	0.06%
Prudential Financial Inc	0.06%
Illumina Inc	0.06%
Lululemon Athletica Inc	0.06%
Hilton Worldwide Holdings Inc	0.06%
Hoya Corp	0.06%
Kering SA	0.06%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Newmont	0.06%
Keysight Technologies Inc	0.06%
MercadoLibre Inc	0.06%
Fast Retailing Ltd	0.06%
Clorox	0.06%
East Japan Railway	0.06%
AmerisourceBergen Corp	0.06%
Bank Of New York Mellon Corp	0.06%
Deutsche Boerse AG	0.06%
Arthur J Gallagher	0.06%
Allstate Corp	0.06%
Warner Bros. Discovery Inc	0.05%
Welltower	0.05%
Sanofi Sa	0.05%
Otis Worldwide Corp	0.05%
Sba Communications Reit Corp	0.05%
Banco Santander Sa	0.05%
Dover Corp	0.05%
Sysco Corp	0.05%
Netease Inc	0.05%
First Solar Inc	0.05%
Mckesson Corp	0.05%
Societe Generale SA	0.05%
Steris	0.05%
Workday Inc Class A	0.05%
Verisk Analytics Inc	0.05%
SoftBank Corp	0.05%
Take Two Interactive Software Inc	0.05%
Wolters Kluwer NV	0.05%
Rockwell Automation Inc	0.05%
Huntington Bancshares Inc	0.05%
Ross Stores Inc	0.05%
Hologic Inc	0.05%
Shopify Subordinate Voting Inc Class A	0.05%
HP Inc	0.05%
Mettler Toledo Inc	0.05%
Itochu Corp	0.05%
Intact Financial Corp	0.05%
Merck	0.05%
Sika AG	0.05%
Republic Services Inc	0.05%
Koninklijke Ahold Delhaize NV	0.05%
Paccar Inc	0.05%
MediaTek Inc	0.05%
Amcor Plc	0.05%
Genmab	0.05%
First Republic Bank	0.05%
Carrier Global Corp	0.05%
DNB Bank	0.05%
Bank Central Asia	0.05%
Fastenal	0.05%
Cummins Inc	0.05%
Danone SA	0.05%
Givaudan SA	0.05%
CRH Plc	0.05%
Ameriprise Finance Inc	0.05%
Daiwa House Industry Ltd	0.05%
Cincinnati Financial Corp	0.05%
Ulta Beauty Inc	0.04%
Sampo	0.04%
United Overseas Bank Ltd	0.04%
Martin Marietta Materials Inc	0.04%
Old Dominion Freight Line	0.04%
Mondelez International Inc Class A	0.04%
Nortonlifelock Inc	0.04%
Hubspot Inc	0.04%
Diageo Plc	0.04%
China Merchants Bank Ltd	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Splunk Inc	0.04%
Fortinet Inc	0.04%
Walgreen Boots Alliance Inc	0.04%
Bristol Myers Squibb	0.04%
Alnylam Pharmaceuticals Inc	0.04%
West Fraser Timber Ltd	0.04%
Umicore SA	0.04%
Broadcom Inc	0.04%
Weyerhaeuser REIT	0.04%
Swiss Re AG	0.04%
Willis Towers Watson Plc	0.04%
Crowdstrike Holdings Inc Class A	0.04%
Tractor Supply	0.04%
SVB Financial Group	0.04%
SSE Plc	0.04%
Barclays Plc	0.04%
Xylem Inc	0.04%
State Street Corp	0.04%
Yum China Holdings Inc	0.04%
Wuxi Biologics Cayman Inc	0.04%
Samsung SDI Ltd	0.04%
International Flavors & Fragrances	0.04%
National Bank Of Canada	0.04%
KKR and Co Inc	0.04%
Regions Financial Corp	0.04%
Koninkilijke Dsm NV	0.04%
Murata Manufacturing Ltd	0.04%
Laboratory Corporation Of America	0.04%
Northern Trust Corp	0.04%
Hartford Financial Services Group	0.04%
Raymond James Inc	0.04%
Industria De Diseno Textil Inditex	0.04%
KBC Groep	0.04%
Molina Healthcare Inc	0.04%
Kellogg	0.04%
Insulet Corp	0.04%
Fortive Corp	0.04%
BMW AG	0.04%
Ebay Inc	0.04%
D R Horton Inc	0.04%
Ferguson Plc	0.04%
American Water Works Inc	0.04%
Fujitsu Ltd	0.04%
Ashtead Group Plc	0.04%
Atlas Copco Class A	0.04%
CBRE Group Inc Class A	0.04%
Aptiv Plc	0.04%
Astellas Pharma Inc	0.04%
Conagra Brands Inc	0.04%
A O Smith Corp	0.04%
Franklin Resources Inc	0.04%
Discover Financial Services	0.04%
Copart Inc	0.04%
Chocoladefabriken Lindt & Spruengli AG	0.04%
Citizens Financial Group Inc	0.04%
Telekomunikasi Indonesia	0.03%
Lpl Financial Holdings Inc	0.03%
Compagnie Generale Des Etablisseme	0.03%
Quanta Services Inc	0.03%
Bayer Ag	0.03%
A P Moller Maersk	0.03%
Ventas Reit Inc	0.03%
Open Text Corp	0.03%
Marubeni Corp	0.03%
Byd Ltd	0.03%
Zendesk Inc	0.03%
Walmart Inc	0.03%
Contemporary Amperex Technology Lt	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Panasonic Holdings Corp	0.03%
Brown & Brown Inc	0.03%
Standard Chartered Plc	0.03%
Pearson Plc	0.03%
Incyte Corp	0.03%
Trade Desk Inc Class A	0.03%
Unicredit	0.03%
Qualcomm Inc	0.03%
Datadog Inc Class A	0.03%
Swiss Life Holding AG	0.03%
VF Corp	0.03%
Water Corp	0.03%
Synchrony Financial	0.03%
Zebra Technologies Corp Class A	0.03%
Brown Forman Corp Class B	0.03%
Sonova Holding AG	0.03%
Albemarle Corp	0.03%
Cintas Corp	0.03%
Advanced Micro Devices Inc	0.03%
Wh Group Ltd	0.03%
Air Products And Chemicals Inc	0.03%
Terumo Corp	0.03%
United Rentals Inc	0.03%
Trimble Inc	0.03%
Upm-Kymmene	0.03%
Thomson Reuters Corp	0.03%
Singapore Telecommunications Ltd	0.03%
Uni-President Enterprises Corp	0.03%
Unicharm Corp	0.03%
Corteva Inc	0.03%
Principal Financial Group Inc	0.03%
Komatsu Ltd	0.03%
KeyCorp	0.03%
Ingersoll Rand Inc	0.03%
Pentair	0.03%
Mosaic	0.03%
Hewlett Packard Enterprise	0.03%
Legal and General Group Plc	0.03%
Kubota Corp	0.03%
Legrand SA	0.03%
Orix Corp	0.03%
Nasdaq Inc	0.03%
Perkinelmer Inc	0.03%
Li Auto Adr Inc	0.03%
Quest Diagnostics Inc	0.03%
Naver Corp	0.03%
Horizon Therapeutics Public Plc	0.03%
Netflix Inc	0.03%
Kao Corp	0.03%
Link Real Estate Investment Trust	0.03%
Mitsubishi Estate Co Ltd	0.03%
Idex Corp	0.03%
Orange SA	0.03%
Nibe Industrier Class B	0.03%
Dollarama Inc	0.03%
Delta Electronics Inc	0.03%
Geberit AG	0.03%
Arch Capital Group Ltd	0.03%
Assa Abloy AB	0.03%
Banco Bradesco Pref SA	0.03%
Fujifilm Holdings Corp	0.03%
Biomarin Pharmaceutical Inc	0.03%
Align Technology Inc	0.03%
Abiomed Inc	0.03%
Ball Corp	0.03%
China Mengniu Dairy Ltd	0.03%
Dai-Ichi Life Holdings Inc	0.03%
Ericsson B	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Adidas N AG	0.03%
Coloplast B	0.03%
Chugai Pharmaceutical Ltd	0.03%
Essity Class B	0.03%
Cooper Inc	0.03%
Expeditors International Of Washington Inc	0.03%
Bunge Ltd	0.03%
FactSet Research Systems Inc	0.03%
Grupo Finance Banorte	0.03%
Eisai Ltd	0.03%
Agnico Eagle Mines Ltd	0.03%
Epam Systems Inc	0.02%
Rivian Automotive Inc Class	0.02%
Neurocrine Biosciences Inc	0.02%
Jb Hunt Transport Services	0.02%
Epiroc Class A	0.02%
Alcon Ag	0.02%
Power Corporation Of Canada	0.02%
Zoominfo Technologies Inc	0.02%
Credicorp Ltd	0.02%
Monster Beverage Corp	0.02%
Elastic Nv	0.02%
Gea Group Ag	0.02%
Swedbank	0.02%
Snowflake Class A	0.02%
Nippon Steel Corp	0.02%
Guidewire Software Inc	0.02%
Deutsche Bank Ag	0.02%
Natwest Group Plc	0.02%
3M	0.02%
Constellation Brands Inc Class A	0.02%
Waters Corp	0.02%
Kraft Heinz	0.02%
Rio Tinto Plc	0.02%
Realty Income Reit Corp	0.02%
Essex Property Trust Reit Inc	0.02%
Kla Corp	0.02%
Bentley Systems Inc Class B	0.02%
Tyler Technologies Inc	0.02%
Expeditors International Of Washin	0.02%
Mcdonalds Corp	0.02%
Federal Realty Investment Trust Re	0.02%
Microchip Technology Inc	0.02%
Svenska Handelsbanken-A Shs	0.02%
Webster Financial Corp	0.02%
Ptc Inc	0.02%
Paycom Software Inc	0.02%
Paypal Holdings Inc	0.02%
Zimmer Biomet Holdings Inc	0.02%
Saputo Inc	0.02%
Digital Realty Trust Reit Inc	0.02%
Sunrun Inc	0.02%
Zoom Video Communications Inc Clas	0.02%
Taiwan Cooperative Financial Holdings	0.02%
Zscaler Inc	0.02%
Cboe Global Markets Inc	0.02%
Palantir Technologies Inc Class A	0.02%
Smartsheet Inc Class A	0.02%
Hershey Foods	0.02%
Celanese Corp	0.02%
WPP Plc	0.02%
Skandinaviska Enskilda Banken	0.02%
Anglo American Plc	0.02%
Toto Ltd	0.02%
Wheaton Precious Metals Corp	0.02%
Straumann Holding AG	0.02%
Sysmex Corp	0.02%
Yaskawa Electric Corp	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Analog Devices Inc	0.02%
Yokogawa Electric Corp	0.02%
United Micro Electronics Corp	0.02%
Sumitomo Mitsui Trust Holdings Inc	0.02%
United Utilities Group Plc	0.02%
Sompo Holdings Inc	0.02%
WR Berkley Corp	0.02%
Transunion	0.02%
Xinyi Solar Holdings Ltd	0.02%
TDK Corp	0.02%
Svenska Cellulosa B	0.02%
Wuliangye Yibin Ltd A	0.02%
Stanley Black & Decker Inc	0.02%
Hanwha Solutions Corp	0.02%
WEG SA	0.02%
Teleflex Inc	0.02%
Symrise AG	0.02%
Teleperformance	0.02%
Snap On Inc	0.02%
China Merchants Bank Ltd A	0.02%
Steel Dynamics Inc	0.02%
China Yangtze Power Ltd A	0.02%
Bunzl	0.02%
Longi Green Energy Technology Ltd	0.02%
Vail Resorts Inc	0.02%
Ping An Insurance (Group) Of China	0.02%
Spirax-Sarco Engineering Plc	0.02%
Telus Corp	0.02%
Veolia Environ. SA	0.02%
Verbund AG	0.02%
WSP Global Inc	0.02%
Masco Corp	0.02%
Malayan Banking	0.02%
Howmet Aerospace Inc	0.02%
Next Plc	0.02%
Pultegroup Inc	0.02%
Shinhan Financial Group Ltd	0.02%
Nan Ya Plastics Corp	0.02%
Shionogi Ltd	0.02%
Sekisui House Ltd	0.02%
Kerry Group Plc	0.02%
Public Bank	0.02%
NN Group NV	0.02%
MS&AD Insurance Group Holdings Inc	0.02%
Nomura Holdings Inc	0.02%
Kakao Corp	0.02%
Intercontinental Hotels Group Plc	0.02%
KB Financial Group Inc	0.02%
Metro Inc	0.02%
Mega Financial Holding Ltd	0.02%
Informa Plc	0.02%
SGS SA	0.02%
Novocure Ltd	0.02%
Jazz Pharmaceuticals Plc	0.02%
Novozymes B	0.02%
Publicis Groupe SA	0.02%
International Paper	0.02%
Henry Schein Inc	0.02%
Omron Corp	0.02%
MTR Corporation Corp Ltd	0.02%
Localiza Rent A Car SA	0.02%
Rentokil Initial Plc	0.02%
Kuehne und Nagel International AG	0.02%
Robert Half	0.02%
Owens Corning	0.02%
Rogers Communications Non-Voting I	0.02%
Interpublic Group Of Companies Inc	0.02%
Henkel & KGaA Pref AG	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Mondi Plc	0.02%
Sandvik	0.02%
Intertek Group Plc	0.02%
Segro REIT Plc	0.02%
Magna International Inc	0.02%
Severn Trent Plc	0.02%
Pool Corp	0.02%
LKQ Corp	0.02%
Healthpeak Properties Inc	0.02%
Shiseido Ltd	0.02%
Fubon Financial Holding Ltd	0.02%
Ally Financial Inc	0.02%
China Resources Land Ltd	0.02%
BT Group Plc	0.02%
CTBC Financial Holding Ltd	0.02%
Beiersdorf AG	0.02%
Generac Holdings Inc	0.02%
Chunghwa Telecom Ltd	0.02%
Catalent Inc	0.02%
Burberry Group Plc	0.02%
CSPC Pharmaceutical Group Ltd	0.02%
BYD Ltd A	0.02%
Alleghany Corp	0.02%
Citrix Systems Inc	0.02%
CH Robinson Worldwide Inc	0.02%
Dominos Pizza Inc	0.02%
Ajinomoto Inc	0.02%
E.Sun Financial Holding Ltd	0.02%
Boston Properties Reit Inc	0.02%
Best Buy Inc	0.02%
CP All Non-Voting Dr Pcl	0.02%
Caixabank Sa	0.02%
Croda International Plc	0.02%
CNH Industrial NV	0.02%
Cathay Financial Holding Ltd	0.02%
AEON Ltd	0.02%
Fomento Economico Mexicano	0.02%
EDP Renovaveis SA	0.02%
Atlas Copco Class B	0.02%
Cameco Corp	0.02%
Daifuku Ltd	0.02%
Campbell Soup	0.02%
BOC Hong Kong Holdings Ltd	0.02%
Commerzbank AG	0.02%
Boliden	0.02%
Bio Techne Corp	0.02%
China Overseas Land Investment Ltd	0.02%
Bank Leumi Le Israel	0.02%
Booz Allen Hamilton Holding Corp C	0.02%
CarMax Inc	0.02%
Akzo Nobel NV	0.02%
Hang Seng Bank Ltd	0.02%
Maxlinear Inc	0.01%
Pagerduty Inc	0.01%
Altra Industrial Motion Corp	0.01%
Microstrategy Inc Class A	0.01%
Ambarella Inc	0.01%
Nemetschek	0.01%
Asana Inc Class A	0.01%
Ats Automation Tooling Systems Inc	0.01%
Molson Coors Brewing Class B	0.01%
Lear Corp	0.01%
Argenx	0.01%
Companhia De Saneamento Basico	0.01%
Sartorius Pref Ag	0.01%
Holmen Class B	0.01%
Wells Fargo	0.01%
Evonik Industries Ag	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Temenos Ag	0.01%
Obic Ltd	0.01%
Knight-Swift Transportation Holdin	0.01%
Constellation Software Inc	0.01%
Prysmian	0.01%
Dieteren (D) Sa	0.01%
Nexi	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Imcd Nv	0.01%
Exact Sciences Corp	0.01%
Eqt	0.01%
Grab Holdings Ltd Class	0.01%
Worldline Sa	0.01%
Rollins Inc	0.01%
Zalando	0.01%
Dino Polska Sa	0.01%
Hypermarcas Sa	0.01%
Fresenius Se And Co Kgaa	0.01%
Servisfirst Bancshares Inc	0.01%
Jackson Financial Inc Class A	0.01%
Lumen Technologies Inc	0.01%
Koninklijke Philips Nv	0.01%
Apollo Global Management Inc	0.01%
Bankunited Inc	0.01%
Siemens Healthineers Ag	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Gruma	0.01%
Turkiye Sise Ve Cam Fabrikalari A	0.01%
Nordson Corp	0.01%
Fulton Financial Corp	0.01%
Moderna Inc	0.01%
Fifth Third Bancorp	0.01%
Pacwest Bancorp	0.01%
Triumph Bancorp Inc	0.01%
Globus Medical Inc Class A	0.01%
Glacier Bancorp Inc	0.01%
Global Payments Inc	0.01%
Credit Agricole Sa	0.01%
Paychex Inc	0.01%
Micron Technology Inc	0.01%
Prosperity Bancshares Inc	0.01%
Nippon Express Holdings Inc	0.01%
Paylocity Holding Corp	0.01%
Mitsubishi Chemical Group Corp	0.01%
Penumbra Inc	0.01%
Fair Isaac Corp	0.01%
Equitable Holdings Inc	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Pennymac Financial Services Inc	0.01%
Flutter Entertainment Plc	0.01%
Hexagon Class B	0.01%
First Bancorp	0.01%
Hillenbrand Inc	0.01%
Fnb Corp	0.01%
Pinnacle Financial Partners Inc	0.01%
Dassault Systemes	0.01%
Home Bancshares Inc	0.01%
Hmm Ltd	0.01%
Persimmon Plc	0.01%
Welcia Holdings Ltd	0.01%
Essent Group Ltd	0.01%
Onto Innovation Inc	0.01%
Dolby Laboratories Inc Class A	0.01%
Bank Ozk	0.01%
Hilltop Holdings Inc	0.01%
Zions Bancorporation	0.01%
Daqo New Energy Adr Representing	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
China Everbright Environment Group	0.01%
Qualys Inc	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
Radian Group Inc	0.01%
Bank Of Ireland Group Plc	0.01%
Hancock Whitney Corp	0.01%
Columbia Banking System Inc	0.01%
Rocket Companies Inc Class A	0.01%
Flagstar Bancorp Inc	0.01%
Independent Bank Group Inc	0.01%
Live Oak Bancshares Inc	0.01%
Signature Bank	0.01%
Powszechna Kasa Oszczednosci Bank	0.01%
East West Bancorp Inc	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Simmons First National Corp Class	0.01%
United Community Banks Inc	0.01%
Ipg Photonics Corp	0.01%
Nutanix Inc Class A	0.01%
Siemens Gamesa Renewable Energy Sa	0.01%
Eastern Bankshares Inc	0.01%
Shoals Technologies Group Inc Clas	0.01%
Ncsoft Corp	0.01%
Experian Plc	0.01%
Meiji Holdings Ltd	0.01%
Silvergate Capital Class A Corp	0.01%
Tingyi (Cayman Islands) Holdings	0.01%
Silicon Laboratories Inc	0.01%
On Semiconductor Corp	0.01%
Descartes Systems Group Inc	0.01%
Sumitomo Realty & Development Ltd	0.01%
Smith And Nephew Plc	0.01%
Banco Bradesco Sa	0.01%
Gartner Inc	0.01%
Western Union	0.01%
John Bean Technologies Corp	0.01%
Fidelity National Information Serv	0.01%
Synovus Financial Corp	0.01%
Fiserv Inc	0.01%
First Citizens Bancshares Inc Clas	0.01%
Ja Solar Technology Ltd A	0.01%
Sps Commerce Inc	0.01%
Five9 Inc	0.01%
Sprout Social Inc Class A	0.01%
Poly Developments And Holdings Gro	0.01%
Sunpower Corp	0.01%
Abn Amro Bank Nv	0.01%
Block Inc Class A	0.01%
Banco Bpm	0.01%
Southstate Corp	0.01%
Metso Outotec Corp	0.01%
Jpmorgan Chase & Co	0.01%
Community Bank System Inc	0.01%
First Financial Bankshares Inc	0.01%
Danske Bank	0.01%
Sun Communities Reit Inc	0.01%
Marvell Technology Inc	0.01%
Shockwave Medical Inc	0.01%
Finecobank Banca Fineco	0.01%
Spectris Plc	0.01%
Independent Bank Corp	0.01%
First Hawaiian Inc	0.01%
Mgic Investment Corp	0.01%
Lincoln Electric Holdings Inc	0.01%
Old National Bancorp	0.01%
Texas Capital Bancshares Inc	0.01%
Pacific Premier Bancorp Inc	0.01%
Teradata Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Nmi Holdings Inc Class A	0.01%
Te Connectivity Ltd	0.01%
Sunnova Energy International Inc	0.01%
Teradyne Inc	0.01%
Unity Software Inc	0.01%
Tesco Plc	0.01%
Novanta Inc	0.01%
Tyson Foods Inc Class A	0.01%
Wsfs Financial Corp	0.01%
Lattice Semiconductor Corp	0.01%
Dynatrace Inc	0.01%
Twitter Inc	0.01%
Hapvida Participacoes E Investimen	0.01%
London Stock Exchange Group Plc	0.01%
Korea Zinc Inc	0.01%
United Bankshares Inc	0.01%
Samsung Life Ltd	0.01%
Umb Financial Corp	0.01%
Lg H & H Ltd	0.01%
Umpqua Holdings Corp	0.01%
Want Want China Holdings	0.01%
Manhattan Associates Inc	0.01%
Auo Corp	0.01%
Us Bancorp	0.01%
Woori Financial Group Inc	0.01%
Valmet	0.01%
New York Community Bancorp Inc	0.01%
Valley National	0.01%
Docusign Inc	0.01%
Vonovia Se	0.01%
Ricoh Ltd	0.01%
Western Alliance	0.01%
Sino Land Ltd	0.01%
Masimo Corp	0.01%
Ormat Tech Inc	0.01%
Meyer Burger Technology Ag	0.01%
Corning Inc	0.01%
Walker & Dunlop Inc	0.01%
Bumrungrad Hospital Non-Voting	0.01%
First Horizon Corp	0.01%
Wintrust Financial Corp	0.01%
Sage Group Plc	0.01%
Snap Inc Class A	0.01%
Keyence Corp	0.01%
Black Knight Inc	0.01%
Arista Networks Inc	0.01%
Swire Properties Ltd	0.01%
Mr Cooper Group Inc	0.01%
Telia Company	0.01%
Taiwan Mobile Ltd	0.01%
Xpeng Adr Representing Inc	0.01%
Alteryx Inc Class A	0.01%
SKF B	0.01%
Citigroup Inc	0.01%
Yadea Group Holdings Ltd	0.01%
Darling Ingredients Inc	0.01%
Yageo Corp	0.01%
Voya Financial Inc	0.01%
Yakult Honsha Ltd	0.01%
Sinopac Financial Holdings Ltd	0.01%
Solvay SA	0.01%
Associated Bancorp	0.01%
Yamaha Motor Ltd	0.01%
Bloom Energy Class A Corp	0.01%
Terna Rete Elettrica Nazionale	0.01%
Bank Of Hawaii Corp	0.01%
Stora Enso Class R	0.01%
Cullen Frost Bankers Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Valeo	0.01%
Cognizant Technology Solutions Cor	0.01%
Yunnan Baiyao Group Ltd A	0.01%
Foshan Hai Tian Flavouring & Food	0.01%
Z Holdings Corp	0.01%
Japan Real Estate Investment Trust	0.01%
St Jamess Place Plc	0.01%
Ameris Bancorp	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
Suntory Beverage & Food Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
West Japan Railway	0.01%
Airtac International Group	0.01%
Amphenol Corp Class A	0.01%
Yang Ming Marine Transport Corp	0.01%
Avalara Inc	0.01%
Citic Ltd	0.01%
Bank Of America Corp	0.01%
Baoshan Iron & Steel Ltd A	0.01%
Bill Com Holdings Inc	0.01%
Tongcheng Travel Holdings Ltd	0.01%
Whitbread Plc	0.01%
Gerdau Pref Sa	0.01%
Popular Inc	0.01%
Hellofresh	0.01%
Ceridian Hcm Holding Inc	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Clarivate Plc	0.01%
Land Securities Group Reit Plc	0.01%
Swire Pacific Ltd A	0.01%
Leg Immobilien N	0.01%
Cvb Financial Corp	0.01%
Merdeka Copper Gold	0.01%
Wuxi Apptec Ltd H	0.01%
Raia Drogasil Sa	0.01%
Advantest Corp	0.01%
Tfi International Inc	0.01%
Toromont Industries Ltd	0.01%
Totvs Sa	0.01%
Taishin Financial Holding Ltd	0.01%
Sumitomo Metal Mining Ltd	0.01%
Taiwan Cement Corp	0.01%
Ping An Bank Ltd A	0.01%
Wartsila	0.01%
Luzhou Lao Jiao Ltd A	0.01%
Sungrow Power Supply Ltd A	0.01%
Boe Technology Group Ltd A	0.01%
Altair Engineering Inc Class A	0.01%
Smurfit Kappa Group Plc	0.01%
Ametek Inc	0.01%
Bank Of Ningbo Ltd A	0.01%
Acciona Sa	0.01%
Luxshare Precision Industry Ltd A	0.01%
Taylor Wimpey Plc	0.01%
Muyuan Foods Ltd A	0.01%
Array Technologies Inc	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Westrock	0.01%
Tobu Railway Ltd	0.01%
Axos Financial Inc	0.01%
Sun Hung Kai Properties Ltd	0.01%
Aspen Technology Inc	0.01%
Taisei Corp	0.01%
Sirius Xm Holdings Inc	0.01%
East Money Information Ltd A	0.01%
Teladoc Health Inc	0.01%
Wens Foodstuff Group Ltd	0.01%
Bio Rad Laboratories Inc Class A	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Largan Precision Ltd	0.01%
Boralex Inc Class A	0.01%
Nippon Prologis Reit Inc	0.01%
UCB SA	0.01%
Tokyu Corp	0.01%
Bok Financial Corp	0.01%
Citic Securities Ltd A	0.01%
Tele2 B	0.01%
Vinda International Ltd	0.01%
Commerce Bancshares Inc	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Cdw Corp	0.01%
Wanhua Chemical Group Ltd A	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Comerica Inc	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Coupa Software Inc	0.01%
Bank Of Jiangsu Corporation Ltd A	0.01%
Telefonica Brasil SA	0.01%
Toray Industries Inc	0.01%
Telenor	0.01%
Vivendi	0.01%
Wuxi Apptec Ltd A	0.01%
Bank Of Communications Ltd A	0.01%
Dropbox Inc Class A	0.01%
Industrial And Commercial Bank Of	0.01%
Postal Savings Bank Of China Ltd A	0.01%
Yamaha Corp	0.01%
Nestle Malaysia	0.01%
Kintetsu Group Holdings Ltd	0.01%
Nippon Building Fund Reit Inc	0.01%
Lundin Mining Corp	0.01%
Hotai Motor Ltd	0.01%
Singapore Exchange Ltd	0.01%
Hydro One Ltd	0.01%
Kobayashi Pharmaceutical Ltd	0.01%
Puma	0.01%
Kghm Polska Miedz Sa	0.01%
Lincoln National Corp	0.01%
Nomura Research Institute Ltd	0.01%
Kalbe Farma	0.01%
Kikkoman Corp	0.01%
Sainsbury (J) Plc	0.01%
HKT Trust & HKT Ltd	0.01%
Hiwin Technologies Corp	0.01%
Norsk Hydro	0.01%
Shimadzu Corp	0.01%
MarketAxess Holdings Inc	0.01%
Mowi	0.01%
Hellenic Telecommunications Organization SA	0.01%
Jm Smucker	0.01%
Koninklijke KPN NV	0.01%
Kajima Corp	0.01%
Kuala Lumpur Kepong	0.01%
Ritchie Bros Auctioneers Inc	0.01%
NTT Data Corp	0.01%
Klepierre REIT SA	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Rumo SA	0.01%
Obayashi Corp	0.01%
Longfor Group Holdings Ltd	0.01%
Ocado Group Plc	0.01%
Hasbro Inc	0.01%
Hankyu Hanshin Holdings Inc	0.01%
Nio American Depositary Shares Rep	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Shanghai Commercial Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Orion Class B	0.01%
Ibiden Ltd	0.01%
Kingfisher Plc	0.01%
Qiagen NV	0.01%
Orkla	0.01%
Randstad Holding	0.01%
OTP Bank	0.01%
JFE Holdings Inc	0.01%
Industrial Bank Ltd A	0.01%
Red Electrica SA	0.01%
Henkel AG	0.01%
Mtu Aero Engines Holding Ag	0.01%
Pandora	0.01%
Hennes & Mauritz	0.01%
Lamb Weston Holdings Inc	0.01%
Resona Holdings Inc	0.01%
Hirose Electric Ltd	0.01%
Lixil Corp	0.01%
Kingspan Group Plc	0.01%
Klabin Units SA	0.01%
Mitsui Chemicals Inc	0.01%
Rohm Ltd	0.01%
Posco Chemical Ltd	0.01%
Lojas Renner SA	0.01%
PPB Group	0.01%
HeidelbergCement AG	0.01%
Kinross Gold Corp	0.01%
Newell Brands Inc	0.01%
President Chain Store Corp	0.01%
Keio Corp	0.01%
Press Metal Aluminium Holdings	0.01%
Schroders Plc	0.01%
Lennox International Inc	0.01%
Sekisui Chemical Ltd	0.01%
Invesco Ltd	0.01%
Sensata Technologies Holding Plc	0.01%
Lenovo Group Ltd	0.01%
SG Holdings Ltd	0.01%
JDE Peets Nv	0.01%
Shandong Weigao Group Medical PlyPolymer Co. Ltd	0.01%
Jeronimo Martins SA	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Inner Mongolia Yili Industrial Group Co. Ltd	0.01%
Shimizu Corp	0.01%
LG Corp	0.01%
Hoshizaki Corp	0.01%
LG Electronics Inc	0.01%
Nippon Paint Holdings Ltd	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
Nippon Yusen	0.01%
Singapore Airlines Ltd	0.01%
Kesko Class B	0.01%
Nitto Denko Corp	0.01%
Nissin Foods Holdings Ltd	0.01%
Clariant AG	0.01%
Empire Ltd Class A	0.01%
Barratt Developments	0.01%
CapitaLand Integrated Commercial Trust	0.01%
Assurant Inc	0.01%
Country Garden Services Holdings Co. Ltd	0.01%
Coca Cola HBC AG	0.01%
Covivio SA	0.01%
GN Store Nord	0.01%
Capitaland Investment Ltd	0.01%
Advance Auto Parts Inc	0.01%
Allegion Plc	0.01%
Airports Of Thailand Non-Voting Dr	0.01%
Carl Zeiss Meditec AG	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Burlington Stores Inc	0.01%
Carlyle Group Inc	0.01%
Garmin Ltd	0.01%
Adecco Group AG	0.01%
George Weston Ltd	0.01%
Carrefour SA	0.01%
Elia Group SA	0.01%
Amerco	0.01%
Equatorial Energia SA	0.01%
Cyber Agent Inc	0.01%
ESR Cayman Ltd	0.01%
Azbil Corp	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
Dai Nippon Printing Ltd	0.01%
Antofagasta Plc	0.01%
Biomerieux SA	0.01%
Bureau Veritas SA	0.01%
Accor SA	0.01%
Fortune Brands Home And Security Inc	0.01%
Ballard Power Systems Inc	0.01%
Coca-Cola Femsa Class UBL Units	0.01%
Cemex CPO	0.01%
Gecina SA	0.01%
BMW Pref AG	0.01%
Abrdn Plc	0.01%
Central Japan Railway	0.01%
Canadian Apartment Properties REIT	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
Contemporary Amperex Technology Ltd	0.01%
Davita Inc	0.01%
Elisa	0.01%
Asahi Kasei Corp	0.01%
Energy Absolute Non-Voting Dr Pcl	0.01%
Chailease Holding Ltd	0.01%
Cia Energetica De Minas Gerais	0.01%
Delivery Hero	0.01%
Erste Group Bank Ag	0.01%
Amplifon	0.01%
CIMB Group Holdings	0.01%
Dentsply Sirona Inc	0.01%
Eve Energy Ltd A	0.01%
Charoen Pokphand Foods Non-Voting	0.01%
Advanced Info Service Non-Voting D	0.01%
China Conch Venture Holdings Ltd	0.01%
Far Eastone Telecommunications Ltd	0.01%
Banco Do Brasil SA	0.01%
City Developments Ltd	0.01%
China Feihe Ltd	0.01%
First Financial Holding Ltd	0.01%
Bangkok Dusit Medical Services	0.01%
FirstService Subordinate Voting Co	0.01%
Annaly Capital Management Reit Inc	0.01%
Bank Pekao SA	0.01%
BorgWarner Inc	0.01%
Coca Cola European Partners Plc	0.01%
China Steel Corp	0.01%
Cable One Inc	0.01%
Hana Financial Group Inc	0.01%
Ganfeng Lithium Ltd A	0.01%
Associated British Foods Plc	0.01%
Cognex Corp	0.01%
China Vanke Ltd H	0.01%
Gedeon Richter	0.01%
Bouygues SA	0.01%
Asustek Computer Inc	0.01%
Chr Hansen Holding	0.01%
Alstom Sa	0.01%
Eiffage SA	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Gildan Activewear Inc	0.01%
Brenntag SE	0.01%
Berkeley Group Holdings (The) Plc	0.01%
Elanco Animal Health Inc	0.01%
Grupo Bimbo A	0.01%
British Land Reit Plc	0.01%
Capcom Ltd	0.01%
Brookfield Renewable Subordinate V	0.01%
China Tourism Group Duty Free Corp	0.01%
China Vanke Ltd A	0.01%
Creditors	-2.45%
Total	51.01%
Alternatives	
The Maui Capital Aqua Fund	0.43%
Pencarrow IV Investment	0.01%
Total	0.44%
Grand Total	**100%**

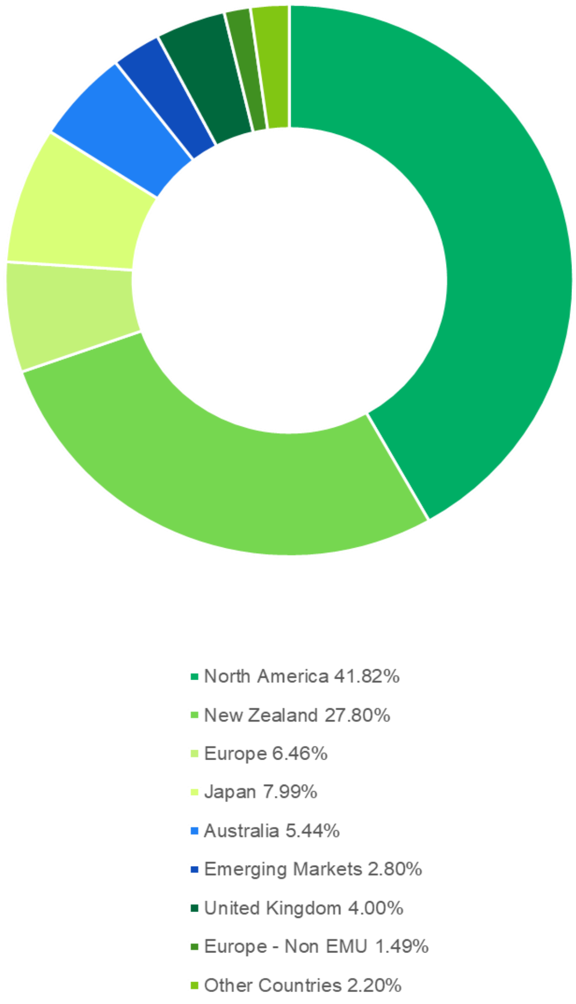
MAS KiwiSaver Scheme

Balanced Fund Holdings

As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	5.40%
Other	0.11%
Total	5.51%
New Zealand fixed interest	
New Zealand	10.91%
Total	10.91%
International fixed interest	
North America	13.06%
Japan	5.90%
Europe	2.99%
United Kingdom	2.11%
Emerging Markets	0.64%
Europe - Non EMU	0.40%
New Zealand	0.01%
Australia	-0.12%
Other Countries	0.68%
Total	25.67%
Australasian equities	
New Zealand	14.04%
Australia	5.72%
Total	19.76%
International equities	
North America	28.71%
Europe	3.46%
Emerging Markets	2.15%
Japan	2.07%
United Kingdom	1.88%
Europe - Non EMU	1.09%
Australia	-0.15%
New Zealand	-2.56%
Other Countries	1.51%
Total	38.15%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 September 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**

2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	3.05%
China Construction Bank On Term @ 3.7% 17/06/2022 19/06/2023	0.33%
Westpac On Term @ 4.26% 13/07/2022 13/07/2023	0.26%
BNZ On Term @ 1.86% 27/10/2021 27/10/2022	0.26%
China Construction Bank On Term @ 3.4% 10/05/2022 10/05/2023	0.18%
China Construction Bank On Term @ 3.95% 13/07/2022 11/04/2023	0.17%
ASB Term Deposit 4.070% 28/06/2022 28/06/2023	0.15%
Kiwibank On Term @ 3% 10/05/2022 10/05/2023	0.13%
ASB Term Deposit 3.160% 13/07/2022 09/01/2023	0.13%
BNZ On Term @ 2.23% 24/12/2021 28/12/2022	0.13%
ANZ Bank NZ Limited Term Deposit 1.800% 05/11/2021 07/11/2022	0.13%
Westpac On Term @ 3.670% 01/09/2022 30/01/2023	0.09%
ANZ Bank NZ Limited Term Deposit 4.100% 03/08/2022 03/08/2023	0.09%
ASB Term Deposit 3.5% 13/06/2022 13/06/2023	0.09%
Westpac On Term @ 3.820% 01/09/2022 28/02/2023	0.09%
Westpac On Term @ 2.620% 15/02/2022 15/02/2023	0.07%
USD Cash (Alpha Committed)	0.05%
Westpac On Term @ 4.27% 01/09/2022 01/09/2023	0.04%
JPY Cash (Alpha Committed)	0.02%
Gbp Cash	0.01%
Other	0.04%
Total	5.51%
New Zealand fixed interest	
Bank of New Zealand 4.985% 07/06/2027	1.89%
Westpac 3.696% 16/02/27	1.07%
Vector Ltd 4.996% 14/03/2024	1.01%
Chorus Ltd 4.35% 06/12/2028	0.98%
NZ Govt 1.5% 15/05/2031	0.76%
ASB 5.524% 21/06/2027	0.64%
Auckland International Airport 3.29% 17/11/2026	0.50%
ANZ Bank NZ Limited 2.999% 17/09/2031	0.47%
Westpac 1.439% 02/24/26	0.46%
Westpac 6.19% 16/09/2032	0.45%
ANZ Bank NZ Limited 3.03% 20/03/2024	0.40%
Infratil Limited 3.50% 15/12/2029	0.39%
Transpower New Zealand 4.627% 16/09/2027	0.39%
Quayside Holding (QHLNZ) 10% Series	0.29%
BNZ 2.16% 29/01/2025	0.28%
Christchurch International Airport Limited 5.53% 05/04/2027	0.20%
Auckland International Airport 3.51% 10/10/2024	0.19%
ASB 1.646% 04/05/2026	0.12%
Christchurch City Holdings Ltd 3.01% 05/11/2026	0.09%
Kiwibank 2.635% 05/10/2026	0.09%
Powerco Limited 4.67% 15/11/2024	0.07%
ASB 1.83% 08/19/2024	0.07%
Christchurch City Holdings Ltd 3.58% 27/11/2024	0.06%
Westpac 2.083% 20/02/2025	0.06%
Total	10.91%
International fixed interest	
Hunter Global Fixed Interest Fund	25.67%
Total	25.67%
Australasian equities	
Infratil Ltd	2.36%
Fisher & Paykel Healthcare Ltd	1.41%
Meridian Energy Limited	1.25%
Spark New Zealand Ltd	1.18%
Mainfreight Ltd	1.14%
Auckland International Airport Ltd	0.98%
Ebos Group Ltd	0.90%
National Australia Bank Ltd	0.86%
A2 Milk Company Ltd	0.79%
Fletcher Building Ltd	0.76%
CSL Limited	0.63%
Chorus Ltd	0.57%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Macquarie Group Ltd	0.57%
Mercury NZ Limited	0.55%
NEXTDC Ltd	0.54%
Telstra Corp Ltd	0.49%
News Corp-CDI Class B	0.44%
Resmed Inc	0.43%
Coles Group Ltd	0.43%
Summerset Group Holdings Ltd	0.42%
Port of Tauranga Ltd	0.41%
Freightways Ltd	0.36%
Ramsay Health Care Ltd	0.35%
Allkem Ltd	0.33%
Oceania Healthcare Limited	0.29%
Ryman Healthcare Ltd	0.29%
Block Inc - CDI	0.29%
Xero Ltd	0.24%
Investore Property Limited	0.17%
Pushpay Holdings Ltd	0.12%
Wesfarmers Limited	0.11%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.10%
Total	19.76%
International equities	
Microsoft Corp	2.43%
Tesla Inc	0.92%
Alphabet Inc Class A	0.83%
Alphabet Inc Class C	0.78%
Procter & Gamble	0.56%
Nvidia Corp	0.46%
Visa Inc Class A	0.44%
Taiwan Semiconductor Manufacturing Co. Ltd	0.43%
Pepsico Inc	0.42%
Eli Lilly	0.42%
Coca-Cola	0.42%
Thermo Fisher Scientific Inc	0.41%
Roche Holding Par AG	0.41%
AbbVie Inc	0.38%
Mastercard Inc Class A	0.37%
Home Depot Inc	0.37%
Astrazeneca Plc	0.36%
Salesforce Inc	0.30%
Tencent Holdings Ltd	0.28%
Hsbc Holdings Plc	0.27%
Danaher Corp	0.27%
Adobe Inc	0.27%
Cisco Systems Inc	0.25%
Intuit Inc	0.24%
Accenture Plc Class A	0.24%
Walt Disney	0.23%
ASML Holding NV	0.23%
Novo Nordisk Class B	0.22%
Verizon Communications Inc	0.21%
Texas Instrument Inc	0.21%
Linde Plc	0.20%
Alibaba Group Holding Ltd	0.20%
Amgen Inc	0.20%
Unilever Plc	0.18%
Toyota Motor Corp	0.18%
Lowes Companies Inc	0.18%
International Business Machines Co	0.18%
Elevance Health Inc	0.17%
Servicenow Inc	0.17%
Amazon Com Inc	0.16%
United Parcel Service Inc Class B	0.16%
Apple Inc	0.16%
Intel Corporation Corp	0.16%
S&P Global Inc	0.16%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Automatic Data Processing Inc	0.16%
Toronto Dominion	0.15%
Abbott Laboratories	0.15%
Nike Inc Class B	0.14%
Morgan Stanley	0.14%
Becton Dickinson	0.14%
Cigna Corp	0.14%
Charles Schwab Corp	0.14%
Aia Group Ltd	0.13%
Starbucks Corp	0.13%
Regeneron Pharmaceuticals Inc	0.13%
Colgate-Palmolive	0.13%
Deere	0.13%
American Tower Reit Corp	0.13%
Caterpillar Inc	0.13%
Vertex Pharmaceuticals Inc	0.12%
Meituan	0.12%
Prologis REIT Inc	0.12%
SAP	0.12%
Gilead Sciences Inc	0.12%
Chubb Ltd	0.12%
Novartis Ag	0.11%
Johnson & Johnson	0.11%
Zoetis Inc Class A	0.11%
Sony Group Corp	0.11%
Target Corp	0.11%
Kimberly Clark Corp	0.11%
Roper Technologies Inc	0.11%
BlackRock Inc	0.11%
Edwards Lifesciences Corp	0.11%
Bnp Paribas SA	0.11%
American Express	0.11%
Applied Material Inc	0.11%
Unitedhealth Group Inc	0.10%
Medtronic Plc	0.10%
Synopsys Inc	0.10%
TJX Inc	0.10%
Loreal SA	0.10%
Marsh & McLennan Inc	0.10%
Autodesk Inc	0.10%
Cadence Design Systems Inc	0.10%
Oracle Corp	0.09%
Novo Nordisk Class B	0.09%
Waste Management Inc	0.09%
Progressive Corp	0.09%
PNC Financial Services Group Inc	0.09%
Illinois Tool Inc	0.09%
Humana Inc	0.09%
Allianz	0.09%
Booking Holdings Inc	0.09%
Crown Castle Inc	0.08%
Sherwin Williams	0.08%
Enphase Energy Inc	0.08%
Vestas Wind Systems	0.08%
Truist Financial Corp	0.08%
Lam Research Corp	0.08%
Reckitt Benckiser Group Plc	0.08%
Lloyds Banking Group Plc	0.08%
Lair Liquide Societe Anonyme Pour	0.08%
Relx Plc	0.08%
ING Groep NV	0.08%
Schneider Electric	0.08%
CSX Corp	0.08%
Bank Of Nova Scotia	0.08%
Aon Plc Class A	0.08%
Bank Of Montreal	0.08%
General Mills Inc	0.08%
CME Group Inc Class A	0.08%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Estee Lauder Inc Class	0.07%
Cvs Health Corp	0.07%
Intesa Sanpaolo	0.07%
Norfolk Southern Corp	0.07%
Intercontinental Exchange Inc	0.07%
Lonza Group AG	0.07%
HCA Healthcare Inc	0.07%
Nordea Bank	0.07%
Electronic Arts Inc	0.07%
Eaton Plc	0.07%
Dexcom Inc	0.07%
Equinix Reit Inc	0.07%
Ecolab Inc	0.07%
Daiichi Sankyo Ltd	0.07%
Aflac Inc	0.07%
Banco Bilbao Vizcaya Argentaria SA	0.07%
Compagnie Financiere Richemont SA	0.07%
Essilorluxottica SA	0.07%
Centene Corp	0.07%
China Construction Bank Corp H	0.07%
Nutrien Ltd	0.06%
Meta Platforms Inc Class A	0.06%
Nxp Semiconductors Nv	0.06%
VMware Class A Inc	0.06%
Nintendo Ltd	0.06%
Prosus NV	0.06%
Idexx Laboratories Inc	0.06%
KDDI Corp	0.06%
Motorola Solutions Inc	0.06%
Axa SA	0.06%
Compass Group Plc	0.06%
Baxter International Inc	0.06%
Agilent Technologies Inc	0.06%
Biogen Inc	0.06%
DBS Group Holdings Ltd	0.06%
ABB Ltd	0.06%
Glaxosmithkline	0.05%
Intuitive Surgical Inc	0.05%
Iqvia Holdings Inc	0.05%
Pfizer Inc	0.05%
Plug Power Inc	0.05%
Merck & Co Inc	0.05%
Nucor Corp	0.05%
WW Grainger Inc	0.05%
Vodafone Group Plc	0.05%
Church And Dwight Inc	0.05%
T Rowe Price Group Inc	0.05%
Archer Daniels Midland	0.05%
Waste Connections Inc	0.05%
Tokyo Electron Ltd	0.05%
Travelers Companies Inc	0.05%
Illumina Inc	0.05%
Recruit Holdings Ltd	0.05%
PPG Industries Inc	0.05%
M&T Bank Corp	0.05%
Hormel Foods Corp	0.05%
Mccormick & Co Non-Voting Inc	0.05%
Hoya Corp	0.05%
MercadoLibre Inc	0.05%
Johnson Controls International Plc	0.05%
Moodys Corp	0.05%
Hitachi Ltd	0.05%
Keurig Dr Pepper Inc	0.05%
Ansys Inc	0.05%
Clorox	0.05%
Activision Blizzard Inc	0.05%
Arthur J Gallagher	0.05%
Daikin Industries Ltd	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Canadian Imperial Bank of Commerce	0.05%
Bank Of New York Mellon Corp	0.05%
Cardinal Health Inc	0.05%
Genuine Parts	0.05%
Warner Bros. Discovery Inc	0.04%
Sba Communications Reit Corp	0.04%
Welltower	0.04%
Otis Worldwide Corp	0.04%
Sanofi Sa	0.04%
Banco Santander Sa	0.04%
First Solar Inc	0.04%
Baidu Class A Inc	0.04%
Prudential Plc	0.04%
Palo Alto Networks Inc	0.04%
Dover Corp	0.04%
Mckesson Corp	0.04%
Stryker Corp	0.04%
Netease Inc	0.04%
Sysco Corp	0.04%
Solaredge Technologies Inc	0.04%
Take Two Interactive Software Inc	0.04%
Societe Generale SA	0.04%
Steris	0.04%
West Pharmaceutical Services Inc	0.04%
Trane Technologies Plc	0.04%
SoftBank Corp	0.04%
Boston Scientific Corp	0.04%
SK Hynix Inc	0.04%
Fanuc Corp	0.04%
Verisk Analytics Inc	0.04%
Ross Stores Inc	0.04%
Republic Services Inc	0.04%
Prudential Financial Inc	0.04%
Merck	0.04%
Rockwell Automation Inc	0.04%
Keysight Technologies Inc	0.04%
Shopify Subordinate Voting Inc Class A	0.04%
Hologic Inc	0.04%
HP Inc	0.04%
Mettler Toledo Inc	0.04%
Itochu Corp	0.04%
Sika AG	0.04%
Hilton Worldwide Holdings Inc	0.04%
Paccar Inc	0.04%
Newmont	0.04%
Kering SA	0.04%
Lululemon Athletica Inc	0.04%
Ameriprise Finance Inc	0.04%
Allstate Corp	0.04%
Deutsche Boerse AG	0.04%
CRH Plc	0.04%
Amcor Plc	0.04%
Fastenal	0.04%
Bank Central Asia	0.04%
First Republic Bank	0.04%
East Japan Railway	0.04%
AmerisourceBergen Corp	0.04%
Carrier Global Corp	0.04%
Givaudan SA	0.04%
Fast Retailing Ltd	0.04%
Daiwa House Industry Ltd	0.04%
Danone SA	0.04%
Cummins Inc	0.04%
Genmab	0.04%
Martin Marietta Materials Inc	0.03%
Ulta Beauty Inc	0.03%
Old Dominion Freight Line	0.03%
Sampo	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
United Overseas Bank Ltd	0.03%
Byd Ltd	0.03%
Splunk Inc	0.03%
Diageo Plc	0.03%
Hubspot Inc	0.03%
Walgreen Boots Alliance Inc	0.03%
Mondelez International Inc Class A	0.03%
China Merchants Bank Ltd	0.03%
Nortonlifelock Inc	0.03%
Fortinet Inc	0.03%
Alnylam Pharmaceuticals Inc	0.03%
SSE Plc	0.03%
Brown Forman Corp Class B	0.03%
VF Corp	0.03%
Wh Group Ltd	0.03%
SVB Financial Group	0.03%
Broadcom Inc	0.03%
Swiss Re AG	0.03%
Crowdstrike Holdings Inc Class A	0.03%
Weyerhaeuser REIT	0.03%
West Fraser Timber Ltd	0.03%
Willis Towers Watson Plc	0.03%
State Street Corp	0.03%
Wolters Kluwer NV	0.03%
Umicore SA	0.03%
Workday Inc Class A	0.03%
Barclays Plc	0.03%
Wuxi Biologics Cayman Inc	0.03%
Bristol Myers Squibb	0.03%
Tractor Supply	0.03%
Yum China Holdings Inc	0.03%
Xylem Inc	0.03%
Koninkilijke Dsm NV	0.03%
KBC Groep	0.03%
Kellogg	0.03%
Insulet Corp	0.03%
Huntington Bancshares Inc	0.03%
Laboratory Corporation Of America	0.03%
International Flavors & Fragrances	0.03%
Intact Financial Corp	0.03%
Regions Financial Corp	0.03%
Nasdaq Inc	0.03%
National Bank Of Canada	0.03%
KKR and Co Inc	0.03%
Molina Healthcare Inc	0.03%
Raymond James Inc	0.03%
Koninklijke Ahold Delhaize NV	0.03%
Kao Corp	0.03%
Samsung SDI Ltd	0.03%
Northern Trust Corp	0.03%
Principal Financial Group Inc	0.03%
Hartford Financial Services Group	0.03%
Industria De Diseno Textil Inditex	0.03%
Murata Manufacturing Ltd	0.03%
MediaTek Inc	0.03%
Ebay Inc	0.03%
Fujitsu Ltd	0.03%
Chocoladefabriken Lindt & Spruengli AG	0.03%
Cincinnati Financial Corp	0.03%
A O Smith Corp	0.03%
Citizens Financial Group Inc	0.03%
Essity Class B	0.03%
American Water Works Inc	0.03%
Fortive Corp	0.03%
Conagra Brands Inc	0.03%
DNB Bank	0.03%
Copart Inc	0.03%
Ashtead Group Plc	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Aptiv Plc	0.03%
Adidas N AG	0.03%
BMW AG	0.03%
Atlas Copco Class A	0.03%
D R Horton Inc	0.03%
Ferguson Plc	0.03%
CBRE Group Inc Class A	0.03%
Franklin Resources Inc	0.03%
Geberit AG	0.03%
Discover Financial Services	0.03%
Astellas Pharma Inc	0.03%
Jb Hunt Transport Services	0.02%
Bayer Ag	0.02%
Lpl Financial Holdings Inc	0.02%
Compagnie Generale Des Etablisseme	0.02%
Zoominfo Technologies Inc	0.02%
A P Moller Maersk	0.02%
Ventas Reit Inc	0.02%
Quanta Services Inc	0.02%
Telekomunikasi Indonesia	0.02%
Saputo Inc	0.02%
Contemporary Amperex Technology Lt	0.02%
Walmart Inc	0.02%
Incyte Corp	0.02%
Monster Beverage Corp	0.02%
Mcdonalds Corp	0.02%
Trade Desk Inc Class A	0.02%
Essex Property Trust Reit Inc	0.02%
Zendesk Inc	0.02%
3M	0.02%
Deutsche Bank Ag	0.02%
Natwest Group Plc	0.02%
Unicredit	0.02%
Realty Income Reit Corp	0.02%
Nippon Steel Corp	0.02%
Open Text Corp	0.02%
Webster Financial Corp	0.02%
Pearson Plc	0.02%
Zimmer Biomet Holdings Inc	0.02%
Ptc Inc	0.02%
Zoom Video Communications Inc Clas	0.02%
Paypal Holdings Inc	0.02%
Brown & Brown Inc	0.02%
Qualcomm Inc	0.02%
Expeditors International Of Washin	0.02%
Rio Tinto Plc	0.02%
Federal Realty Investment Trust Re	0.02%
Sunrun Inc	0.02%
Panasonic Holdings Corp	0.02%
Cboe Global Markets Inc	0.02%
Hershey Foods	0.02%
Snowflake Class A	0.02%
Marubeni Corp	0.02%
Constellation Brands Inc Class A	0.02%
Standard Chartered Plc	0.02%
Bunzl	0.02%
United Rentals Inc	0.02%
Sompo Holdings Inc	0.02%
Verbund AG	0.02%
Synchrony Financial	0.02%
Teleflex Inc	0.02%
Cintas Corp	0.02%
WR Berkley Corp	0.02%
Thomson Reuters Corp	0.02%
WSP Global Inc	0.02%
Symrise AG	0.02%
Teleperformance	0.02%
Skandinaviska Enskilda Banken	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Sonova Holding AG	0.02%
Steel Dynamics Inc	0.02%
Uni-President Enterprises Corp	0.02%
Veolia Environ. SA	0.02%
Singapore Telecommunications Ltd	0.02%
Trimble Inc	0.02%
Yaskawa Electric Corp	0.02%
Albemarle Corp	0.02%
Straumann Holding AG	0.02%
Advanced Micro Devices Inc	0.02%
Zebra Technologies Corp Class A	0.02%
Air Products And Chemicals Inc	0.02%
United Micro Electronics Corp	0.02%
Water Corp	0.02%
TDK Corp	0.02%
Upm-Kymmene	0.02%
Swiss Life Holding AG	0.02%
Unicharm Corp	0.02%
Terumo Corp	0.02%
Datadog Inc Class A	0.02%
China Yangtze Power Ltd A	0.02%
Corteva Inc	0.02%
Longi Green Energy Technology Ltd	0.02%
Ping An Insurance (Group) Of China	0.02%
Wheaton Precious Metals Corp	0.02%
Public Bank	0.02%
Omron Corp	0.02%
Shiseido Ltd	0.02%
Kubota Corp	0.02%
KB Financial Group Inc	0.02%
Hewlett Packard Enterprise	0.02%
Sandvik	0.02%
Legal and General Group Plc	0.02%
Kakao Corp	0.02%
Legrand SA	0.02%
Orix Corp	0.02%
Li Auto Adr Inc	0.02%
Pool Corp	0.02%
Link Real Estate Investment Trust	0.02%
KeyCorp	0.02%
LKQ Corp	0.02%
SGS SA	0.02%
Ingersoll Rand Inc	0.02%
NN Group NV	0.02%
Magna International Inc	0.02%
Novozymes B	0.02%
Masco Corp	0.02%
Orange SA	0.02%
Healthpeak Properties Inc	0.02%
Pentair	0.02%
Metro Inc	0.02%
Perkinelmer Inc	0.02%
Horizon Therapeutics Public Plc	0.02%
Kerry Group Plc	0.02%
Mitsubishi Estate Co Ltd	0.02%
Quest Diagnostics Inc	0.02%
Mosaic	0.02%
Rogers Communications Non-Voting I	0.02%
MS&AD Insurance Group Holdings Inc	0.02%
Segro REIT Plc	0.02%
Naver Corp	0.02%
Shionogi Ltd	0.02%
Netflix Inc	0.02%
Komatsu Ltd	0.02%
Nibe Industrier Class B	0.02%
Idex Corp	0.02%
CTBC Financial Holding Ltd	0.02%
Best Buy Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Hang Seng Bank Ltd	0.02%
Catalent Inc	0.02%
Expeditors International Of Washington Inc	0.02%
Ajinomoto Inc	0.02%
CNH Industrial NV	0.02%
AEON Ltd	0.02%
Agnico Eagle Mines Ltd	0.02%
Align Technology Inc	0.02%
Bio Techne Corp	0.02%
Banco Bradesco Pref SA	0.02%
Bunge Ltd	0.02%
Coloplast B	0.02%
Fomento Economico Mexicano	0.02%
Booz Allen Hamilton Holding Corp C	0.02%
Dai-Ichi Life Holdings Inc	0.02%
CH Robinson Worldwide Inc	0.02%
Eisai Ltd	0.02%
Bank Leumi Le Israel	0.02%
Citrix Systems Inc	0.02%
Commerzbank AG	0.02%
Ericsson B	0.02%
Chunghwa Telecom Ltd	0.02%
Campbell Soup	0.02%
Dollarama Inc	0.02%
FactSet Research Systems Inc	0.02%
Dominos Pizza Inc	0.02%
Atlas Copco Class B	0.02%
Assa Abloy AB	0.02%
Abiomed Inc	0.02%
Boston Properties Reit Inc	0.02%
Arch Capital Group Ltd	0.02%
Cooper Inc	0.02%
Fujifilm Holdings Corp	0.02%
China Mengniu Dairy Ltd	0.02%
BOC Hong Kong Holdings Ltd	0.02%
EDP Renovaveis SA	0.02%
Delta Electronics Inc	0.02%
Croda International Plc	0.02%
Biomarin Pharmaceutical Inc	0.02%
Ball Corp	0.02%
Grupo Finance Banorte	0.02%
Chugai Pharmaceutical Ltd	0.02%
China Resources Land Ltd	0.02%
Epam Systems Inc	0.01%
Pagerduty Inc	0.01%
Wells Fargo	0.01%
Constellation Software Inc	0.01%
Obic Ltd	0.01%
Imcd Nv	0.01%
Koninklijke Philips Nv	0.01%
Temenos Ag	0.01%
Power Corporation Of Canada	0.01%
Gruma	0.01%
Argenx	0.01%
Epiroc Class A	0.01%
Jackson Financial Inc Class A	0.01%
Neurocrine Biosciences Inc	0.01%
Servisfirst Bancshares Inc	0.01%
Nexi	0.01%
Eqt	0.01%
Knight-Swift Transportation Holdin	0.01%
Prysmian	0.01%
Worldline Sa	0.01%
Alcon Ag	0.01%
Zalando	0.01%
Lumen Technologies Inc	0.01%
Lear Corp	0.01%
Rivian Automotive Inc Class	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Gree Electric Appliances Inc Of Zh	0.01%
Dieteren (D) Sa	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Rollins Inc	0.01%
Apollo Global Management Inc	0.01%
Siemens Healthineers Ag	0.01%
Bankunited Inc	0.01%
Exact Sciences Corp	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Nordson Corp	0.01%
On Semiconductor Corp	0.01%
Novanta Inc	0.01%
Zscaler Inc	0.01%
Onto Innovation Inc	0.01%
Equitable Holdings Inc	0.01%
Ormat Tech Inc	0.01%
Walker & Dunlop Inc	0.01%
First Citizens Bancshares Inc Clas	0.01%
Bentley Systems Inc Class B	0.01%
Kraft Heinz	0.01%
Swedbank	0.01%
Bank Ozk	0.01%
Woori Financial Group Inc	0.01%
Pacwest Bancorp	0.01%
Vonovia Se	0.01%
First Financial Bankshares Inc	0.01%
Elastic Nv	0.01%
Paycom Software Inc	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
Paychex Inc	0.01%
Sunnova Energy International Inc	0.01%
Prosperity Bancshares Inc	0.01%
Pacific Premier Bancorp Inc	0.01%
Paylocity Holding Corp	0.01%
Daqo New Energy Adr Representing	0.01%
First Horizon Corp	0.01%
Digital Realty Trust Reit Inc	0.01%
Pennymac Financial Services Inc	0.01%
Taiwan Cooperative Financial Holdings	0.01%
Palantir Technologies Inc Class A	0.01%
Valmet	0.01%
Fair Isaac Corp	0.01%
Dassault Systemes	0.01%
Pinnacle Financial Partners Inc	0.01%
Wintrust Financial Corp	0.01%
Fidelity National Information Serv	0.01%
Zions Bancorporation	0.01%
Persimmon Plc	0.01%
Mgic Investment Corp	0.01%
Kla Corp	0.01%
Bank Of Ireland Group Plc	0.01%
Lincoln Electric Holdings Inc	0.01%
Danske Bank	0.01%
Lattice Semiconductor Corp	0.01%
Finecobank Banca Fineco	0.01%
London Stock Exchange Group Plc	0.01%
Old National Bancorp	0.01%
Radian Group Inc	0.01%
Svenska Handelsbanken-A Shs	0.01%
Manhattan Associates Inc	0.01%
Nutanix Inc Class A	0.01%
Rocket Companies Inc Class A	0.01%
Nippon Express Holdings Inc	0.01%
Ipg Photonics Corp	0.01%
Ncsoft Corp	0.01%
Signature Bank	0.01%
Meiji Holdings Ltd	0.01%
Banco Bradesco Sa	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Mitsubishi Chemical Group Corp	0.01%
Microchip Technology Inc	0.01%
Jpmorgan Chase & Co	0.01%
Siemens Gamesa Renewable Energy Sa	0.01%
Us Bancorp	0.01%
Shoals Technologies Group Inc Clas	0.01%
Valley National	0.01%
Fiserv Inc	0.01%
Western Alliance	0.01%
Silvergate Capital Class A Corp	0.01%
Docusign Inc	0.01%
Silicon Laboratories Inc	0.01%
Metso Outotec Corp	0.01%
Smartsheet Inc Class A	0.01%
Western Union	0.01%
Smith And Nephew Plc	0.01%
Moderna Inc	0.01%
Hexagon Class B	0.01%
Marvell Technology Inc	0.01%
Essent Group Ltd	0.01%
China Everbright Environment Group	0.01%
Synovus Financial Corp	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Home Bancshares Inc	0.01%
Credit Agricole Sa	0.01%
Sumitomo Realty & Development Ltd	0.01%
Micron Technology Inc	0.01%
Fulton Financial Corp	0.01%
Columbia Banking System Inc	0.01%
Gea Group Ag	0.01%
Guidewire Software Inc	0.01%
Southstate Corp	0.01%
Flagstar Bancorp Inc	0.01%
Hancock Whitney Corp	0.01%
First Bancorp	0.01%
Global Payments Inc	0.01%
Fnb Corp	0.01%
Shockwave Medical Inc	0.01%
Powszechna Kasa Oszczednosci Bank	0.01%
Spectris Plc	0.01%
East West Bancorp Inc	0.01%
Fifth Third Bancorp	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Five9 Inc	0.01%
United Community Banks Inc	0.01%
Texas Capital Bancshares Inc	0.01%
Waters Corp	0.01%
Teradata Corp	0.01%
Experian Plc	0.01%
Te Connectivity Ltd	0.01%
Hapvida Participacoes E Investimen	0.01%
Teradyne Inc	0.01%
Samsung Life Ltd	0.01%
Tesco Plc	0.01%
Lg H & H Ltd	0.01%
Tyson Foods Inc Class A	0.01%
Want Want China Holdings	0.01%
Dynatrace Inc	0.01%
Auo Corp	0.01%
Twitter Inc	0.01%
Glacier Bancorp Inc	0.01%
Tyler Technologies Inc	0.01%
New York Community Bancorp Inc	0.01%
United Bankshares Inc	0.01%
Ricoh Ltd	0.01%
Umb Financial Corp	0.01%
Sino Land Ltd	0.01%
Umpqua Holdings Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Flutter Entertainment Plc	0.01%
Sprout Social Inc Class A	0.01%
Credicorp Ltd	0.01%
Sunpower Corp	0.01%
Block Inc Class A	0.01%
Celanese Corp	0.01%
Sage Group Plc	0.01%
Snap Inc Class A	0.01%
Advantest Corp	0.01%
Vivendi	0.01%
Acciona Sa	0.01%
West Japan Railway	0.01%
Cognizant Technology Solutions Cor	0.01%
Tokyu Corp	0.01%
Analog Devices Inc	0.01%
Westrock	0.01%
Aspen Technology Inc	0.01%
Toray Industries Inc	0.01%
Cullen Frost Bankers Inc	0.01%
Toromont Industries Ltd	0.01%
United Utilities Group Plc	0.01%
Whitbread Plc	0.01%
Xinyi Solar Holdings Ltd	0.01%
Stanley Black & Decker Inc	0.01%
Altair Engineering Inc Class A	0.01%
Toto Ltd	0.01%
Associated Bancorp	0.01%
Sirius Xm Holdings Inc	0.01%
Suntory Beverage & Food Ltd	0.01%
WPP Plc	0.01%
Svenska Cellulosa B	0.01%
Solvay SA	0.01%
Mr Cooper Group Inc	0.01%
Sysmex Corp	0.01%
Darling Ingredients Inc	0.01%
Wuxi Apptec Ltd A	0.01%
Industrial And Commercial Bank Of	0.01%
Transunion	0.01%
Vail Resorts Inc	0.01%
SKF B	0.01%
Valeo	0.01%
Xpeng Adr Representing Inc	0.01%
Telenor	0.01%
Taisei Corp	0.01%
Ametek Inc	0.01%
Yadea Group Holdings Ltd	0.01%
Amphenol Corp Class A	0.01%
Yageo Corp	0.01%
Avalara Inc	0.01%
Yakult Honsha Ltd	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Taishin Financial Holding Ltd	0.01%
Bio Rad Laboratories Inc Class A	0.01%
Yamaha Motor Ltd	0.01%
Bok Financial Corp	0.01%
Taiwan Cement Corp	0.01%
Commerce Bancshares Inc	0.01%
Yokogawa Electric Corp	0.01%
Clarivate Plc	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Swire Pacific Ltd A	0.01%
Z Holdings Corp	0.01%
Cvb Financial Corp	0.01%
Taiwan Mobile Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
Tele2 B	0.01%
Smurfit Kappa Group Plc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Postal Savings Bank Of China Ltd A	0.01%
Yang Ming Marine Transport Corp	0.01%
Keyence Corp	0.01%
Citic Ltd	0.01%
Japan Real Estate Investment Trust	0.01%
Gerdau Pref Sa	0.01%
Anglo American Plc	0.01%
Hellofresh	0.01%
Ameris Bancorp	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Sumitomo Metal Mining Ltd	0.01%
Land Securities Group Reit Plc	0.01%
Sumitomo Mitsui Trust Holdings Inc	0.01%
Leg Immobilien N	0.01%
Telia Company	0.01%
Merdeka Copper Gold	0.01%
Telus Corp	0.01%
Raia Drogasil Sa	0.01%
Sungrow Power Supply Ltd A	0.01%
Tfi International Inc	0.01%
Array Technologies Inc	0.01%
Totvs Sa	0.01%
Terna Rete Elettrica Nazionale	0.01%
Stora Enso Class R	0.01%
Alteryx Inc Class A	0.01%
Luzhou Lao Jiao Ltd A	0.01%
Bank Of America Corp	0.01%
Wuliangye Yibin Ltd A	0.01%
Bloom Energy Class A Corp	0.01%
Luxshare Precision Industry Ltd A	0.01%
Bill Com Holdings Inc	0.01%
Muyuan Foods Ltd A	0.01%
Black Knight Inc	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Spirax-Sarco Engineering Plc	0.01%
Hanwha Solutions Corp	0.01%
Popular Inc	0.01%
Sun Hung Kai Properties Ltd	0.01%
Citigroup Inc	0.01%
Snap On Inc	0.01%
Ceridian Hcm Holding Inc	0.01%
East Money Information Ltd A	0.01%
Voya Financial Inc	0.01%
Wens Foodstuff Group Ltd	0.01%
Comerica Inc	0.01%
Largan Precision Ltd	0.01%
Coupa Software Inc	0.01%
Nippon Prologis Reit Inc	0.01%
Sinopac Financial Holdings Ltd	0.01%
Taylor Wimpey Plc	0.01%
Tobu Railway Ltd	0.01%
Citic Securities Ltd A	0.01%
St James Place Plc	0.01%
China Merchants Bank Ltd A	0.01%
WEG SA	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Yamaha Corp	0.01%
Pultegroup Inc	0.01%
Lamb Weston Holdings Inc	0.01%
Kinross Gold Corp	0.01%
Mega Financial Holding Ltd	0.01%
Informa Plc	0.01%
HeidelbergCement AG	0.01%
Rentokil Initial Plc	0.01%
Intercontinental Hotels Group Plc	0.01%
Sekisui House Ltd	0.01%
Koninklijke KPN NV	0.01%
Lojas Renner SA	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Lennox International Inc	0.01%
Henry Schein Inc	0.01%
International Paper	0.01%
Hydro One Ltd	0.01%
Lenovo Group Ltd	0.01%
Kingfisher Plc	0.01%
Interpublic Group Of Companies Inc	0.01%
Klepierre REIT SA	0.01%
Mondi Plc	0.01%
Shanghai Commercial Ltd	0.01%
Intertek Group Plc	0.01%
Henkel & KGaA Pref AG	0.01%
LG Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
Mowi	0.01%
Press Metal Aluminium Holdings	0.01%
MTR Corporation Corp Ltd	0.01%
Hasbro Inc	0.01%
Mtu Aero Engines Holding Ag	0.01%
Lundin Mining Corp	0.01%
Invesco Ltd	0.01%
Kikkoman Corp	0.01%
Nan Ya Plastics Corp	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Hotai Motor Ltd	0.01%
Hirose Electric Ltd	0.01%
Jazz Pharmaceuticals Plc	0.01%
Rumo SA	0.01%
LG Electronics Inc	0.01%
MarketAxess Holdings Inc	0.01%
Kuehne und Nagel International AG	0.01%
Severn Trent Plc	0.01%
Newell Brands Inc	0.01%
Shimadzu Corp	0.01%
JDE Peets Nv	0.01%
Singapore Airlines Ltd	0.01%
Next Plc	0.01%
Pandora	0.01%
Lincoln National Corp	0.01%
Longfor Group Holdings Ltd	0.01%
Jeronimo Martins SA	0.01%
Henkel AG	0.01%
JFE Holdings Inc	0.01%
President Chain Store Corp	0.01%
Nio American Depositary Shares Rep	0.01%
Hennes & Mauritz	0.01%
Nippon Building Fund Reit Inc	0.01%
Kesko Class B	0.01%
Nippon Paint Holdings Ltd	0.01%
Publicis Groupe SA	0.01%
Nippon Yusen	0.01%
Puma	0.01%
Nissin Foods Holdings Ltd	0.01%
Randstad Holding	0.01%
Nitto Denko Corp	0.01%
Red Electrica SA	0.01%
Nomura Holdings Inc	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Nomura Research Institute Ltd	0.01%
Resona Holdings Inc	0.01%
Jm Smucker	0.01%
Robert Half	0.01%
Howmet Aerospace Inc	0.01%
Kingspan Group Plc	0.01%
Norsk Hydro	0.01%
Rohm Ltd	0.01%
Singapore Exchange Ltd	0.01%
Kintetsu Group Holdings Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Novocure Ltd	0.01%
Malayan Banking	0.01%
Lixil Corp	0.01%
Schroders Plc	0.01%
NTT Data Corp	0.01%
Sekisui Chemical Ltd	0.01%
Kalbe Farma	0.01%
Sensata Technologies Holding Plc	0.01%
Obayashi Corp	0.01%
Hiwin Technologies Corp	0.01%
Orion Class B	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Localiza Rent A Car SA	0.01%
Shinhan Financial Group Ltd	0.01%
Orkla	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
OTP Bank	0.01%
Owens Corning	0.01%
Industrial Bank Ltd A	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
Eiffage SA	0.01%
Boliden	0.01%
Advanced Info Service Non-Voting D	0.01%
Equatorial Energia SA	0.01%
Cognex Corp	0.01%
BMW Pref AG	0.01%
Bouygues SA	0.01%
Akzo Nobel NV	0.01%
Brenntag SE	0.01%
China Overseas Land Investment Ltd	0.01%
Brookfield Renewable Subordinate V	0.01%
ESR Cayman Ltd	0.01%
BT Group Plc	0.01%
Chr Hansen Holding	0.01%
Bangkok Dusit Medical Services	0.01%
Fortune Brands Home And Security Inc	0.01%
Burberry Group Plc	0.01%
Gecina SA	0.01%
Contemporary Amperex Technology Ltd	0.01%
Banco Do Brasil SA	0.01%
Bureau Veritas SA	0.01%
Elanco Animal Health Inc	0.01%
Burlington Stores Inc	0.01%
Elisa	0.01%
CP All Non-Voting Dr Pcl	0.01%
Antofagasta Plc	0.01%
BYD Ltd A	0.01%
China Vanke Ltd A	0.01%
Cable One Inc	0.01%
Biomerieux SA	0.01%
CSPC Pharmaceutical Group Ltd	0.01%
Amerco	0.01%
Asahi Kasei Corp	0.01%
Azbil Corp	0.01%
Caixabank Sa	0.01%
Fubon Financial Holding Ltd	0.01%
Cameco Corp	0.01%
Garmin Ltd	0.01%
Ally Financial Inc	0.01%
City Developments Ltd	0.01%
Dai Nippon Printing Ltd	0.01%
Gildan Activewear Inc	0.01%
Daifuku Ltd	0.01%
Coca Cola HBC AG	0.01%
Abrdn Plc	0.01%
Asustek Computer Inc	0.01%
Capcom Ltd	0.01%
Alstom Sa	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
CapitaLand Integrated Commercial Trust	0.01%
Elia Group SA	0.01%
Capitaland Investment Ltd	0.01%
Empire Ltd Class A	0.01%
Associated British Foods Plc	0.01%
Hana Financial Group Inc	0.01%
Carl Zeiss Meditec AG	0.01%
Erste Group Bank Ag	0.01%
Davita Inc	0.01%
Alleghany Corp	0.01%
Carlyle Group Inc	0.01%
Eve Energy Ltd A	0.01%
CarMax Inc	0.01%
China Vanke Ltd H	0.01%
Delivery Hero	0.01%
Far Eastone Telecommunications Ltd	0.01%
Carrefour SA	0.01%
Adecco Group AG	0.01%
Dentsply Sirona Inc	0.01%
First Financial Holding Ltd	0.01%
Assurant Inc	0.01%
FirstService Subordinate Voting Co	0.01%
Bank Pekao SA	0.01%
CIMB Group Holdings	0.01%
Barratt Developments	0.01%
Allegion Plc	0.01%
Cathay Financial Holding Ltd	0.01%
Advance Auto Parts Inc	0.01%
Amplifon	0.01%
Ganfeng Lithium Ltd A	0.01%
Cemex CPO	0.01%
Airports Of Thailand Non-Voting Dr	0.01%
E.Sun Financial Holding Ltd	0.01%
Generac Holdings Inc	0.01%
Annaly Capital Management Reit Inc	0.01%
Clariant AG	0.01%
Central Japan Railway	0.01%
George Weston Ltd	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
BorgWarner Inc	0.01%
Beiersdorf AG	0.01%
Coca Cola European Partners Plc	0.01%
Chailease Holding Ltd	0.01%
Berkeley Group Holdings (The) Plc	0.01%
China Steel Corp	0.01%
China Tourism Group Duty Free Corp	0.01%
Creditors	-1.34%
Total	38.15%
Grand Total	**100%**

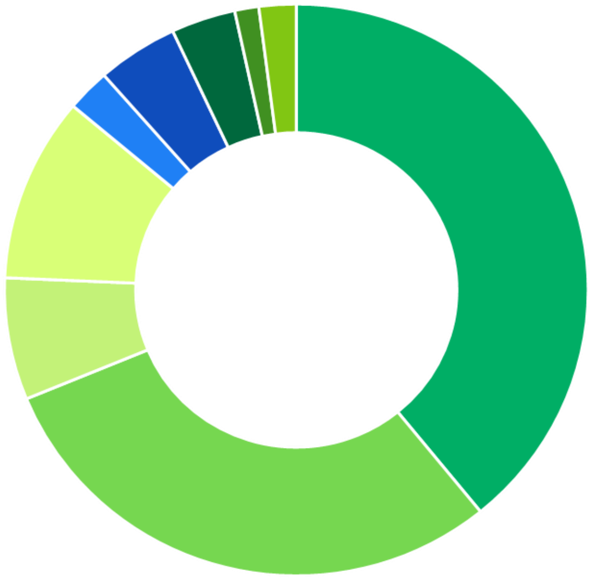
MAS KiwiSaver Scheme

Moderate Fund Holdings

As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	7.03%
Other	0.07%
Total	7.10%
New Zealand fixed interest	
New Zealand	14.82%
Total	14.82%
International fixed interest	
North America	20.07%
Japan	9.07%
Europe	4.60%
United Kingdom	3.24%
Emerging Markets	0.98%
Europe - Non EMU	0.61%
New Zealand	0.02%
Australia	-0.19%
Other Countries	1.05%
Total	39.45%
Australasian equities	
New Zealand	9.48%
Australia	3.86%
Total	13.34%
International equities	
North America	19.03%
Europe	2.29%
Emerging Markets	1.42%
Japan	1.37%
United Kingdom	1.25%
Europe - Non EMU	0.72%
Australia	-0.10%
New Zealand	-1.70%
Other Countries	1.00%
Total	25.28%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 September 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**
2. For holdings by region:
    a. 'Other countries' includes any other region not named.
    b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
    c. EMU is the European Economic and Monetary Union.
    d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.
3. For full holdings:
    a. Holdings less than 0.01% have been grouped as 'Other'.
4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.
5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	4.24%
China Construction Bank On Term @ 3.7% 17/06/2022 19/06/	0.45%
BNZ On Term @ 1.86% 27/10/2021 27/10/2022	0.31%
Westpac On Term @ 4.26% 13/07/2022 13/07/2023	0.30%
China Construction Bank On Term @ 3.95% 13/07/2022 11/04	0.20%
China Construction Bank On Term @ 3.4% 10/05/2022 10/05/	0.20%
ASB Term Deposit 4.070% 28/06/2022 28/06/2023	0.17%
Kiwibank On Term @ 3% 10/05/2022 10/05/2023	0.15%
ASB Term Deposit 3.160% 13/07/2022 09/01/2023	0.15%
BNZ On Term @ 2.23% 24/12/2021 28/12/2022	0.15%
ANZ Bank NZ Limited Term Deposit 1.800% 05/11/2021 07/11,	0.15%
ASB Term Deposit 3.5% 13/06/2022 13/06/2023	0.10%
ANZ Bank NZ Limited Term Deposit 4.100% 03/08/2022 03/08,	0.10%
Westpac On Term @ 3.820% 01/09/2022 28/02/2023	0.10%
Westpac On Term @ 3.670% 01/09/2022 30/01/2023	0.10%
Westpac On Term @ 2.620% 15/02/2022 15/02/2023	0.09%
Westpac On Term @ 4.27% 01/09/2022 01/09/2023	0.05%
USD Cash	0.03%
JPY Cash	0.01%
Other	0.05%
Total	7.10%
New Zealand fixed interest	
Bank of New Zealand 4.985% 07/06/2027	2.57%
Westpac 3.696% 16/02/27	1.46%
Vector Ltd 4.996% 14/03/2024	1.37%
Chorus Ltd 4.35% 06/12/2028	1.33%
NZ Govt 1.5% 15/05/2031	1.04%
ASB 5.524% 21/06/2027	0.87%
Auckland International Airport 3.29% 17/11/2026	0.67%
ANZ Bank NZ Limited 2.999% 17/09/2031	0.64%
Westpac 1.439% 02/24/26	0.63%
Westpac 6.19% 16/09/2032	0.62%
ANZ Bank NZ Limited 3.03% 20/03/2024	0.54%
Infratil Limited 3.50% 15/12/2029	0.53%
Transpower New Zealand 4.627% 16/09/2027	0.52%
Quayside Holding (QHLNZ) 10% Series	0.39%
BNZ 2.16% 29/01/2025	0.37%
Christchurch International Airport Limited 5.53% 05/04/2027	0.27%
Auckland International Airport 3.51% 10/10/2024	0.26%
ASB 1.646% 04/05/2026	0.16%
Kiwibank 2.635% 05/10/2026	0.12%
Christchurch City Holdings Ltd 3.01% 05/11/2026	0.12%
Christchurch City Holdings Ltd 3.58% 27/11/2024	0.09%
Powerco Limited 4.67% 15/11/2024	0.09%
ASB 1.83% 08/19/2024	0.09%
Westpac 2.083% 20/02/2025	0.08%
Total	14.82%
International fixed interest	
Hunter Global Fixed Interest Fund	39.46%
Total	39.46%
Australasian equities	
Infratil Ltd	1.59%
Fisher & Paykel Healthcare Ltd	0.95%
Meridian Energy Limited	0.84%
Spark New Zealand Ltd	0.80%
Mainfreight Ltd	0.77%
Auckland International Airport Ltd	0.66%
Ebos Group Ltd	0.61%
National Australia Bank Ltd	0.58%
A2 Milk Company Ltd	0.53%
Fletcher Building Ltd	0.51%
CSL Limited	0.43%
Chorus Ltd	0.38%
Macquarie Group Ltd	0.38%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
NEXTDC Ltd	0.37%
Mercury NZ Limited	0.37%
Telstra Corp Ltd	0.33%
Resmed Inc	0.29%
News Corp-CDI Class B	0.29%
Coles Group Ltd	0.29%
Summerset Group Holdings Ltd	0.28%
Port of Tauranga Ltd	0.28%
Ramsay Health Care Ltd	0.24%
Freightways Ltd	0.24%
Allkem Ltd	0.22%
Block Inc - CDI	0.20%
Oceania Healthcare Limited	0.20%
Ryman Healthcare Ltd	0.20%
Xero Ltd	0.16%
Investore Property Limited	0.11%
Wesfarmers Limited	0.08%
Pushpay Holdings Ltd	0.08%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.07%
Total	13.34%
International equities	
Microsoft Corp	1.61%
Tesla Inc	0.61%
Alphabet Inc Class A	0.55%
Alphabet Inc Class C	0.52%
Procter & Gamble	0.37%
Nvidia Corp	0.31%
Visa Inc Class A	0.29%
Taiwan Semiconductor Manufacturing Co. Ltd	0.28%
Pepsico Inc	0.28%
Eli Lilly	0.28%
Coca-Cola	0.28%
Thermo Fisher Scientific Inc	0.27%
Roche Holding Par AG	0.27%
Mastercard Inc Class A	0.25%
Home Depot Inc	0.25%
AbbVie Inc	0.25%
Astrazeneca Plc	0.24%
Salesforce Inc	0.20%
Hsbc Holdings Plc	0.18%
Tencent Holdings Ltd	0.18%
Danaher Corp	0.18%
Adobe Inc	0.18%
Intuit Inc	0.16%
Cisco Systems Inc	0.16%
Accenture Plc Class A	0.16%
Walt Disney	0.15%
ASML Holding NV	0.15%
Texas Instrument Inc	0.14%
Verizon Communications Inc	0.14%
Novo Nordisk Class B	0.14%
Linde Plc	0.13%
Alibaba Group Holding Ltd	0.13%
Amgen Inc	0.13%
Servicenow Inc	0.12%
Toyota Motor Corp	0.12%
Unilever Plc	0.12%
Lowes Companies Inc	0.12%
International Business Machines Co	0.12%
Elevance Health Inc	0.11%
Apple Inc	0.11%
Amazon Com Inc	0.11%
Intel Corporation Corp	0.11%
Automatic Data Processing Inc	0.11%
Toronto Dominion	0.10%
United Parcel Service Inc Class B	0.10%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
S&P Global Inc	0.10%
Abbott Laboratories	0.10%
Aia Group Ltd	0.09%
Nike Inc Class B	0.09%
Morgan Stanley	0.09%
Becton Dickinson	0.09%
Caterpillar Inc	0.09%
Colgate-Palmolive	0.09%
Cigna Corp	0.09%
American Tower Reit Corp	0.09%
Charles Schwab Corp	0.09%
Vertex Pharmaceuticals Inc	0.08%
Starbucks Corp	0.08%
Prologis REIT Inc	0.08%
Meituan	0.08%
Regeneron Pharmaceuticals Inc	0.08%
SAP	0.08%
Deere	0.08%
Gilead Sciences Inc	0.08%
American Express	0.08%
Chubb Ltd	0.08%
Novartis Ag	0.07%
Unitedhealth Group Inc	0.07%
Johnson & Johnson	0.07%
Medtronic Plc	0.07%
Synopsys Inc	0.07%
Zoetis Inc Class A	0.07%
Sony Group Corp	0.07%
Target Corp	0.07%
Kimberly Clark Corp	0.07%
Loreal SA	0.07%
Roper Technologies Inc	0.07%
Marsh & McLennan Inc	0.07%
Bnp Paribas SA	0.07%
Applied Material Inc	0.07%
Edwards Lifesciences Corp	0.07%
BlackRock Inc	0.07%
Cadence Design Systems Inc	0.07%
Novo Nordisk Class B	0.06%
Oracle Corp	0.06%
TJX Inc	0.06%
Waste Management Inc	0.06%
PNC Financial Services Group Inc	0.06%
Humana Inc	0.06%
Progressive Corp	0.06%
Lloyds Banking Group Plc	0.06%
Illinois Tool Inc	0.06%
Autodesk Inc	0.06%
General Mills Inc	0.06%
Allianz	0.06%
Booking Holdings Inc	0.06%
CME Group Inc Class A	0.06%
Crown Castle Inc	0.05%
Sherwin Williams	0.05%
Enphase Energy Inc	0.05%
Cvs Health Corp	0.05%
Truist Financial Corp	0.05%
Vestas Wind Systems	0.05%
Lair Liquide Societe Anonyme Pour	0.05%
Reckitt Benckiser Group Plc	0.05%
Lam Research Corp	0.05%
Schneider Electric	0.05%
Relx Plc	0.05%
ING Groep NV	0.05%
Nordea Bank	0.05%
Eaton Plc	0.05%
Bank Of Nova Scotia	0.05%
Electronic Arts Inc	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Bank Of Montreal	0.05%
Dexcom Inc	0.05%
China Construction Bank Corp H	0.05%
Aon Plc Class A	0.05%
CSX Corp	0.05%
Essilorluxottica SA	0.05%
Daiichi Sankyo Ltd	0.05%
Centene Corp	0.05%
Estee Lauder Inc Class	0.04%
Nutrien Ltd	0.04%
Nucor Corp	0.04%
Meta Platforms Inc Class A	0.04%
Nxp Semiconductors Nv	0.04%
VMware Class A Inc	0.04%
Intesa Sanpaolo	0.04%
Nintendo Ltd	0.04%
Lonza Group AG	0.04%
Intercontinental Exchange Inc	0.04%
Prosus NV	0.04%
Hitachi Ltd	0.04%
Recruit Holdings Ltd	0.04%
KDDI Corp	0.04%
HCA Healthcare Inc	0.04%
Moodys Corp	0.04%
Idexx Laboratories Inc	0.04%
Norfolk Southern Corp	0.04%
Motorola Solutions Inc	0.04%
Equinix Reit Inc	0.04%
Biogen Inc	0.04%
DBS Group Holdings Ltd	0.04%
Cardinal Health Inc	0.04%
Compagnie Financiere Richemont SA	0.04%
Axa SA	0.04%
Baxter International Inc	0.04%
Banco Bilbao Vizcaya Argentaria SA	0.04%
ABB Ltd	0.04%
Aflac Inc	0.04%
Ecolab Inc	0.04%
Agilent Technologies Inc	0.04%
Compass Group Plc	0.04%
Glaxosmithkline	0.03%
Sba Communications Reit Corp	0.03%
Sanofi Sa	0.03%
Iqvia Holdings Inc	0.03%
First Solar Inc	0.03%
Merck & Co Inc	0.03%
Intuitive Surgical Inc	0.03%
Plug Power Inc	0.03%
Dover Corp	0.03%
Solaredge Technologies Inc	0.03%
Banco Santander Sa	0.03%
Stryker Corp	0.03%
Palo Alto Networks Inc	0.03%
Pfizer Inc	0.03%
Baidu Class A Inc	0.03%
Netease Inc	0.03%
Prudential Plc	0.03%
Church And Dwight Inc	0.03%
SK Hynix Inc	0.03%
T Rowe Price Group Inc	0.03%
Travelers Companies Inc	0.03%
WW Grainger Inc	0.03%
Trane Technologies Plc	0.03%
Fanuc Corp	0.03%
Archer Daniels Midland	0.03%
Vodafone Group Plc	0.03%
Boston Scientific Corp	0.03%
Tokyo Electron Ltd	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
West Pharmaceutical Services Inc	0.03%
Waste Connections Inc	0.03%
Paccar Inc	0.03%
Newmont	0.03%
Republic Services Inc	0.03%
Hoya Corp	0.03%
Illumina Inc	0.03%
Lululemon Athletica Inc	0.03%
Johnson Controls International Plc	0.03%
M&T Bank Corp	0.03%
Ross Stores Inc	0.03%
Sika AG	0.03%
Keysight Technologies Inc	0.03%
HP Inc	0.03%
Hormel Foods Corp	0.03%
Mccormick & Co Non-Voting Inc	0.03%
PPG Industries Inc	0.03%
MercadoLibre Inc	0.03%
Prudential Financial Inc	0.03%
Mettler Toledo Inc	0.03%
Rockwell Automation Inc	0.03%
Kering SA	0.03%
Hilton Worldwide Holdings Inc	0.03%
Keurig Dr Pepper Inc	0.03%
Shopify Subordinate Voting Inc Class A	0.03%
Ansys Inc	0.03%
Allstate Corp	0.03%
Bank Central Asia	0.03%
AmerisourceBergen Corp	0.03%
Arthur J Gallagher	0.03%
First Republic Bank	0.03%
Deutsche Boerse AG	0.03%
Clorox	0.03%
East Japan Railway	0.03%
Daikin Industries Ltd	0.03%
Genmab	0.03%
Danone SA	0.03%
Activision Blizzard Inc	0.03%
Bank Of New York Mellon Corp	0.03%
Carrier Global Corp	0.03%
Fast Retailing Ltd	0.03%
CRH Plc	0.03%
Canadian Imperial Bank of Commerce	0.03%
Amcor Plc	0.03%
Genuine Parts	0.03%
United Overseas Bank Ltd	0.02%
Quanta Services Inc	0.02%
Welltower	0.02%
Lpl Financial Holdings Inc	0.02%
Ulta Beauty Inc	0.02%
Martin Marietta Materials Inc	0.02%
Warner Bros. Discovery Inc	0.02%
Old Dominion Freight Line	0.02%
Otis Worldwide Corp	0.02%
Sampo	0.02%
Mckesson Corp	0.02%
Diageo Plc	0.02%
Byd Ltd	0.02%
Mondelez International Inc Class A	0.02%
Nortonlifelock Inc	0.02%
Sysco Corp	0.02%
Hubspot Inc	0.02%
Trade Desk Inc Class A	0.02%
China Merchants Bank Ltd	0.02%
Fortinet Inc	0.02%
Splunk Inc	0.02%
Walgreen Boots Alliance Inc	0.02%
Qualcomm Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
SoftBank Corp	0.02%
Alnylam Pharmaceuticals Inc	0.02%
Verisk Analytics Inc	0.02%
SSE Plc	0.02%
Barclays Plc	0.02%
Umicore SA	0.02%
Wh Group Ltd	0.02%
State Street Corp	0.02%
Crowdstrike Holdings Inc Class A	0.02%
Societe Generale SA	0.02%
Tractor Supply	0.02%
SVB Financial Group	0.02%
Bristol Myers Squibb	0.02%
Uni-President Enterprises Corp	0.02%
West Fraser Timber Ltd	0.02%
Weyerhaeuser REIT	0.02%
Terumo Corp	0.02%
Willis Towers Watson Plc	0.02%
Take Two Interactive Software Inc	0.02%
Wolters Kluwer NV	0.02%
Albemarle Corp	0.02%
Workday Inc Class A	0.02%
Advanced Micro Devices Inc	0.02%
Wuxi Biologics Cayman Inc	0.02%
Broadcom Inc	0.02%
Swiss Re AG	0.02%
Brown Forman Corp Class B	0.02%
Xylem Inc	0.02%
Thomson Reuters Corp	0.02%
Yum China Holdings Inc	0.02%
Steris	0.02%
United Rentals Inc	0.02%
VF Corp	0.02%
Molina Healthcare Inc	0.02%
Intact Financial Corp	0.02%
Nasdaq Inc	0.02%
KKR and Co Inc	0.02%
Hartford Financial Services Group	0.02%
Komatsu Ltd	0.02%
Insulet Corp	0.02%
Northern Trust Corp	0.02%
Kao Corp	0.02%
Merck	0.02%
Legrand SA	0.02%
Itochu Corp	0.02%
KBC Groep	0.02%
Kellogg	0.02%
International Flavors & Fragrances	0.02%
Orix Corp	0.02%
Murata Manufacturing Ltd	0.02%
Mosaic	0.02%
Raymond James Inc	0.02%
Pentair	0.02%
Legal and General Group Plc	0.02%
Koninkilijke Dsm NV	0.02%
Regions Financial Corp	0.02%
Perkinelmer Inc	0.02%
National Bank Of Canada	0.02%
Koninklijke Ahold Delhaize NV	0.02%
Naver Corp	0.02%
KeyCorp	0.02%
Huntington Bancshares Inc	0.02%
Principal Financial Group Inc	0.02%
Samsung SDI Ltd	0.02%
Ingersoll Rand Inc	0.02%
Hologic Inc	0.02%
Laboratory Corporation Of America	0.02%
Industria De Diseno Textil Inditex	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Orange SA	0.02%
MediaTek Inc	0.02%
Franklin Resources Inc	0.02%
Ameriprise Finance Inc	0.02%
Ebay Inc	0.02%
Copart Inc	0.02%
Fastenal	0.02%
Ashtead Group Plc	0.02%
Conagra Brands Inc	0.02%
Align Technology Inc	0.02%
Citizens Financial Group Inc	0.02%
Cummins Inc	0.02%
Essity Class B	0.02%
D R Horton Inc	0.02%
Banco Bradesco Pref SA	0.02%
CBRE Group Inc Class A	0.02%
Geberit AG	0.02%
Assa Abloy AB	0.02%
Chugai Pharmaceutical Ltd	0.02%
Daiwa House Industry Ltd	0.02%
Cincinnati Financial Corp	0.02%
Agnico Eagle Mines Ltd	0.02%
BMW AG	0.02%
A O Smith Corp	0.02%
Aptiv Plc	0.02%
Astellas Pharma Inc	0.02%
Bunge Ltd	0.02%
Atlas Copco Class A	0.02%
Ferguson Plc	0.02%
American Water Works Inc	0.02%
Fortive Corp	0.02%
Chocoladefabriken Lindt & Spruengli AG	0.02%
Fujitsu Ltd	0.02%
Discover Financial Services	0.02%
Abiomed Inc	0.02%
DNB Bank	0.02%
Adidas N AG	0.02%
Grupo Finance Banorte	0.02%
Givaudan SA	0.02%
Epam Systems Inc	0.01%
First Interstate Bancsystem Inc Cl	0.01%
A P Moller Maersk	0.01%
Obic Ltd	0.01%
Power Corporation Of Canada	0.01%
Worldline Sa	0.01%
Eqt	0.01%
Jb Hunt Transport Services	0.01%
Compagnie Generale Des Etablisseme	0.01%
Argenx	0.01%
Rivian Automotive Inc Class	0.01%
Epiroc Class A	0.01%
Rollins Inc	0.01%
Zoominfo Technologies Inc	0.01%
Knight-Swift Transportation Holdin	0.01%
Imcd Nv	0.01%
Exact Sciences Corp	0.01%
Lumen Technologies Inc	0.01%
Telekomunikasi Indonesia	0.01%
Alcon Ag	0.01%
Lear Corp	0.01%
Bayer Ag	0.01%
Neurocrine Biosciences Inc	0.01%
Ventas Reit Inc	0.01%
Prysmian	0.01%
Nordson Corp	0.01%
Credit Agricole Sa	0.01%
3M	0.01%
Waters Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Fidelity National Information Serv	0.01%
Walmart Inc	0.01%
Moderna Inc	0.01%
Monster Beverage Corp	0.01%
Mgic Investment Corp	0.01%
Nippon Steel Corp	0.01%
Micron Technology Inc	0.01%
United Bankshares Inc	0.01%
Fiserv Inc	0.01%
Zendesk Inc	0.01%
Novanta Inc	0.01%
Danske Bank	0.01%
Fnb Corp	0.01%
Manhattan Associates Inc	0.01%
Federal Realty Investment Trust Re	0.01%
Saputo Inc	0.01%
Natwest Group Plc	0.01%
First Citizens Bancshares Inc Clas	0.01%
Daqo New Energy Adr Representing	0.01%
Kraft Heinz	0.01%
Realty Income Reit Corp	0.01%
Lattice Semiconductor Corp	0.01%
Ormat Tech Inc	0.01%
Western Union	0.01%
Docusign Inc	0.01%
Zscaler Inc	0.01%
Open Text Corp	0.01%
Bentley Systems Inc Class B	0.01%
Bank Ozk	0.01%
Expeditors International Of Washin	0.01%
Gea Group Ag	0.01%
Old National Bancorp	0.01%
Paycom Software Inc	0.01%
Swedbank	0.01%
Paylocity Holding Corp	0.01%
Panasonic Holdings Corp	0.01%
Guidewire Software Inc	0.01%
Digital Realty Trust Reit Inc	0.01%
Palantir Technologies Inc Class A	0.01%
Marubeni Corp	0.01%
Equitable Holdings Inc	0.01%
Credicorp Ltd	0.01%
Pinnacle Financial Partners Inc	0.01%
Tyson Foods Inc Class A	0.01%
Hershey Foods	0.01%
Tyler Technologies Inc	0.01%
Pearson Plc	0.01%
Kla Corp	0.01%
Ptc Inc	0.01%
Webster Financial Corp	0.01%
Paypal Holdings Inc	0.01%
Wintrust Financial Corp	0.01%
Celanese Corp	0.01%
Zimmer Biomet Holdings Inc	0.01%
Rio Tinto Plc	0.01%
Zoom Video Communications Inc Clas	0.01%
Sunrun Inc	0.01%
Contemporary Amperex Technology Lt	0.01%
Essex Property Trust Reit Inc	0.01%
Brown & Brown Inc	0.01%
Sage Group Plc	0.01%
Columbia Banking System Inc	0.01%
Siemens Gamesa Renewable Energy Sa	0.01%
Deutsche Bank Ag	0.01%
Hancock Whitney Corp	0.01%
First Bancorp	0.01%
Silicon Laboratories Inc	0.01%
London Stock Exchange Group Plc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Smartsheet Inc Class A	0.01%
Powszechna Kasa Oszczednosci Bank	0.01%
Smith And Nephew Plc	0.01%
Svenska Handelsbanken-A Shs	0.01%
Incyte Corp	0.01%
Unicredit	0.01%
Snowflake Class A	0.01%
Mcdonalds Corp	0.01%
Elastic Nv	0.01%
Hapvida Participacoes E Investimen	0.01%
Southstate Corp	0.01%
Microchip Technology Inc	0.01%
Standard Chartered Plc	0.01%
Mitsubishi Chemical Group Corp	0.01%
Constellation Brands Inc Class A	0.01%
Taiwan Cooperative Financial Holdings	0.01%
East West Bancorp Inc	0.01%
Sumitomo Realty & Development Ltd	0.01%
Experian Plc	0.01%
Fair Isaac Corp	0.01%
Texas Capital Bancshares Inc	0.01%
Cboe Global Markets Inc	0.01%
Teradata Corp	0.01%
Teradyne Inc	0.01%
Snap Inc Class A	0.01%
Japan Real Estate Investment Trust	0.01%
Land Securities Group Reit Plc	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
United Utilities Group Plc	0.01%
Sumitomo Metal Mining Ltd	0.01%
Upm-Kymmene	0.01%
Sompo Holdings Inc	0.01%
Vail Resorts Inc	0.01%
Commerce Bancshares Inc	0.01%
Veolia Environ. SA	0.01%
Toromont Industries Ltd	0.01%
Verbund AG	0.01%
Longi Green Energy Technology Ltd	0.01%
Sysmex Corp	0.01%
Ameris Bancorp	0.01%
Spirax-Sarco Engineering Plc	0.01%
Amphenol Corp Class A	0.01%
Taiwan Cement Corp	0.01%
Black Knight Inc	0.01%
Smurfit Kappa Group Plc	0.01%
Synchrony Financial	0.01%
St James Place Plc	0.01%
Tfi International Inc	0.01%
Stanley Black & Decker Inc	0.01%
Hanwha Solutions Corp	0.01%
Vivendi	0.01%
China Merchants Bank Ltd A	0.01%
TDK Corp	0.01%
Postal Savings Bank Of China Ltd A	0.01%
Teleflex Inc	0.01%
Anglo American Plc	0.01%
Voya Financial Inc	0.01%
Suntory Beverage & Food Ltd	0.01%
Telenor	0.01%
Svenska Cellulosa B	0.01%
Teleperformance	0.01%
Swiss Life Holding AG	0.01%
Telia Company	0.01%
Unicharm Corp	0.01%
Water Corp	0.01%
Bunzl	0.01%
WEG SA	0.01%
United Micro Electronics Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
West Japan Railway	0.01%
Corteva Inc	0.01%
Telus Corp	0.01%
Leg Immobilien N	0.01%
Westrock	0.01%
Totvs Sa	0.01%
Snap On Inc	0.01%
Wuliangye Yibin Ltd A	0.01%
Wheaton Precious Metals Corp	0.01%
Sun Hung Kai Properties Ltd	0.01%
Whitbread Plc	0.01%
Toto Ltd	0.01%
Terna Rete Elettrica Nazionale	0.01%
China Yangtze Power Ltd A	0.01%
Sinopac Financial Holdings Ltd	0.01%
Ping An Insurance (Group) Of China	0.01%
Steel Dynamics Inc	0.01%
Sumitomo Mitsui Trust Holdings Inc	0.01%
WPP Plc	0.01%
Xinyi Solar Holdings Ltd	0.01%
WR Berkley Corp	0.01%
Sungrow Power Supply Ltd A	0.01%
WSP Global Inc	0.01%
Analog Devices Inc	0.01%
Skandinaviska Enskilda Banken	0.01%
Transunion	0.01%
Stora Enso Class R	0.01%
Trimble Inc	0.01%
Xpeng Adr Representing Inc	0.01%
Air Products And Chemicals Inc	0.01%
Straumann Holding AG	0.01%
Associated Bancorp	0.01%
Yakult Honsha Ltd	0.01%
Alteryx Inc Class A	0.01%
Datadog Inc Class A	0.01%
Bloom Energy Class A Corp	0.01%
Yaskawa Electric Corp	0.01%
Bill Com Holdings Inc	0.01%
Yokogawa Electric Corp	0.01%
Sonova Holding AG	0.01%
Sumitomo Chemical Ltd	0.01%
Symrise AG	0.01%
Z Holdings Corp	0.01%
Cullen Frost Bankers Inc	0.01%
Zebra Technologies Corp Class A	0.01%
Coupa Software Inc	0.01%
Toray Industries Inc	0.01%
Cintas Corp	0.01%
Citic Ltd	0.01%
SKF B	0.01%
Gerdau Pref Sa	0.01%
Singapore Telecommunications Ltd	0.01%
President Chain Store Corp	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Lennox International Inc	0.01%
Omron Corp	0.01%
Li Auto Adr Inc	0.01%
Quest Diagnostics Inc	0.01%
Lincoln National Corp	0.01%
Sekisui House Ltd	0.01%
Link Real Estate Investment Trust	0.01%
Henry Schein Inc	0.01%
LKQ Corp	0.01%
Owens Corning	0.01%
Localiza Rent A Car SA	0.01%
Kintetsu Group Holdings Ltd	0.01%
Longfor Group Holdings Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Hewlett Packard Enterprise	0.01%
Healthpeak Properties Inc	0.01%
Kubota Corp	0.01%
HeidelbergCement AG	0.01%
Shinhan Financial Group Ltd	0.01%
Intercontinental Hotels Group Plc	0.01%
Hennes & Mauritz	0.01%
Magna International Inc	0.01%
Novozymes B	0.01%
Malayan Banking	0.01%
Orion Class B	0.01%
MarketAxess Holdings Inc	0.01%
Kikkoman Corp	0.01%
Horizon Therapeutics Public Plc	0.01%
Kingspan Group Plc	0.01%
Masco Corp	0.01%
Publicis Groupe SA	0.01%
International Paper	0.01%
Idex Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
Rentokil Initial Plc	0.01%
Mega Financial Holding Ltd	0.01%
Koninklijke KPN NV	0.01%
Interpublic Group Of Companies Inc	0.01%
Sandvik	0.01%
Intertek Group Plc	0.01%
Severn Trent Plc	0.01%
Metro Inc	0.01%
Shiseido Ltd	0.01%
Hotai Motor Ltd	0.01%
Nomura Research Institute Ltd	0.01%
Mitsubishi Estate Co Ltd	0.01%
Norsk Hydro	0.01%
Howmet Aerospace Inc	0.01%
Novocure Ltd	0.01%
Mondi Plc	0.01%
Informa Plc	0.01%
Jazz Pharmaceuticals Plc	0.01%
Kerry Group Plc	0.01%
Mowi	0.01%
Kesko Class B	0.01%
MS&AD Insurance Group Holdings Inc	0.01%
Hydro One Ltd	0.01%
MTR Corporation Corp Ltd	0.01%
Pool Corp	0.01%
Mtu Aero Engines Holding Ag	0.01%
Kingfisher Plc	0.01%
Nan Ya Plastics Corp	0.01%
Kinross Gold Corp	0.01%
Henkel & KGaA Pref AG	0.01%
Public Bank	0.01%
Kakao Corp	0.01%
Pultegroup Inc	0.01%
Netflix Inc	0.01%
Randstad Holding	0.01%
Newell Brands Inc	0.01%
Red Electrica SA	0.01%
Next Plc	0.01%
Hasbro Inc	0.01%
Nibe Industrier Class B	0.01%
Resona Holdings Inc	0.01%
Henkel AG	0.01%
Robert Half	0.01%
KB Financial Group Inc	0.01%
Rogers Communications Non-Voting I	0.01%
Nio American Depositary Shares Rep	0.01%
Kuehne und Nagel International AG	0.01%
Nippon Building Fund Reit Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Segro REIT Plc	0.01%
Nippon Paint Holdings Ltd	0.01%
Sensata Technologies Holding Plc	0.01%
Nippon Yusen	0.01%
SGS SA	0.01%
Nissin Foods Holdings Ltd	0.01%
Shionogi Ltd	0.01%
Nitto Denko Corp	0.01%
Industrial Bank Ltd A	0.01%
NN Group NV	0.01%
Nomura Holdings Inc	0.01%
NTT Data Corp	0.01%
Eisai Ltd	0.01%
Delta Electronics Inc	0.01%
Central Japan Railway	0.01%
Hana Financial Group Inc	0.01%
E.Sun Financial Holding Ltd	0.01%
Ajinomoto Inc	0.01%
Catalent Inc	0.01%
Berkeley Group Holdings (The) Plc	0.01%
Allegion Plc	0.01%
Chr Hansen Holding	0.01%
Campbell Soup	0.01%
Best Buy Inc	0.01%
Carlyle Group Inc	0.01%
Bio Techne Corp	0.01%
Bank Leumi Le Israel	0.01%
Chunghwa Telecom Ltd	0.01%
Cathay Financial Holding Ltd	0.01%
Advanced Info Service Non-Voting D	0.01%
Chailease Holding Ltd	0.01%
CIMB Group Holdings	0.01%
Atlas Copco Class B	0.01%
Arch Capital Group Ltd	0.01%
Caixabank Sa	0.01%
AEON Ltd	0.01%
Dollarama Inc	0.01%
Biomarin Pharmaceutical Inc	0.01%
Alleghany Corp	0.01%
Citrix Systems Inc	0.01%
CarMax Inc	0.01%
Annaly Capital Management Reit Inc	0.01%
Airports Of Thailand Non-Voting Dr	0.01%
Asahi Kasei Corp	0.01%
Erste Group Bank Ag	0.01%
CNH Industrial NV	0.01%
Expeditors International Of Washington Inc	0.01%
Coca Cola European Partners Plc	0.01%
Assurant Inc	0.01%
Azbil Corp	0.01%
CH Robinson Worldwide Inc	0.01%
Cognex Corp	0.01%
Fujifilm Holdings Corp	0.01%
BOC Hong Kong Holdings Ltd	0.01%
China Mengniu Dairy Ltd	0.01%
Coloplast B	0.01%
Gildan Activewear Inc	0.01%
Commerzbank AG	0.01%
Dentsply Sirona Inc	0.01%
Boliden	0.01%
Cameco Corp	0.01%
Ball Corp	0.01%
Bangkok Dusit Medical Services	0.01%
Booz Allen Hamilton Holding Corp C	0.01%
Dominos Pizza Inc	0.01%
Contemporary Amperex Technology Ltd	0.01%
CapitaLand Integrated Commercial Trust	0.01%
Cooper Inc	0.01%

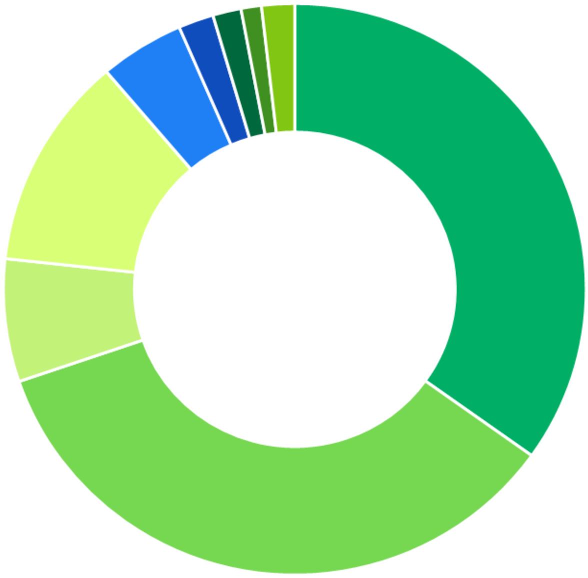
Asset Class & Holdings	% of fund net assets
International equities (continued)	
Carl Zeiss Meditec AG	0.01%
BorgWarner Inc	0.01%
EDP Renovaveis SA	0.01%
CP All Non-Voting Dr Pcl	0.01%
Eiffage SA	0.01%
Boston Properties Reit Inc	0.01%
Carrefour SA	0.01%
Croda International Plc	0.01%
Elisa	0.01%
CSPC Pharmaceutical Group Ltd	0.01%
Ericsson B	0.01%
Bouygues SA	0.01%
ESR Cayman Ltd	0.01%
CTBC Financial Holding Ltd	0.01%
Advance Auto Parts Inc	0.01%
Brenntag SE	0.01%
FactSet Research Systems Inc	0.01%
Brookfield Renewable Subordinate V	0.01%
Associated British Foods Plc	0.01%
Daifuku Ltd	0.01%
First Financial Holding Ltd	0.01%
Dai-Ichi Life Holdings Inc	0.01%
Fomento Economico Mexicano	0.01%
BT Group Plc	0.01%
Fortune Brands Home And Security Inc	0.01%
Akzo Nobel NV	0.01%
Fubon Financial Holding Ltd	0.01%
Burberry Group Plc	0.01%
Ally Financial Inc	0.01%
Bureau Veritas SA	0.01%
Generac Holdings Inc	0.01%
Burlington Stores Inc	0.01%
China Overseas Land Investment Ltd	0.01%
BYD Ltd A	0.01%
George Weston Ltd	0.01%
Antofagasta Plc	0.01%
Beiersdorf AG	0.01%
Delivery Hero	0.01%
China Resources Land Ltd	0.01%
China Steel Corp	0.01%
Hang Seng Bank Ltd	0.01%
Creditors	-0.03%
Total	25.28%
Grand Total	**100%**

MAS KiwiSaver Scheme

Conservative Fund Holdings
As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	11.65%
Other	0.04%
Total	11.68%
New Zealand fixed interest	
New Zealand	19.54%
Total	19.54%
International fixed interest	
North America	25.19%
Japan	11.38%
Europe	5.78%
United Kingdom	4.07%
Emerging Markets	1.23%
Europe - Non EMU	0.76%
New Zealand	0.02%
Australia	-0.24%
Other Countries	1.32%
Total	49.52%
Australasian equities	
New Zealand	4.55%
Australia	1.85%
Total	6.41%
International equities	
North America	9.67%
Europe	1.16%
Emerging Markets	0.72%
Japan	0.70%
United Kingdom	0.63%
Europe - Non EMU	0.37%
Australia	-0.05%
New Zealand	-0.86%
Other Countries	0.51%
Total	12.86%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 September 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**

2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	6.09%
BNZ On Term @ 1.86% 27/10/2021 27/10/2022	0.66%
Westpac On Term @ 4.26% 13/07/2022 13/07/2023	0.65%
China Construction Bank On Term @ 3.7% 17/06/2022 19/06/	0.59%
China Construction Bank On Term @ 3.95% 13/07/2022 11/04	0.44%
China Construction Bank On Term @ 3.4% 10/05/2022 10/05/	0.44%
ASB Term Deposit 4.070% 28/06/2022 28/06/2023	0.37%
Kiwibank On Term @ 3% 10/05/2022 10/05/2023	0.33%
ASB Term Deposit 3.160% 13/07/2022 09/01/2023	0.33%
BNZ On Term @ 2.23% 24/12/2021 28/12/2022	0.33%
ANZ Bank NZ Limited Term Deposit 1.800% 05/11/2021 07/11,	0.33%
ASB Term Deposit 3.5% 13/06/2022 13/06/2023	0.22%
ANZ Bank NZ Limited Term Deposit 4.100% 03/08/2022 03/08,	0.22%
Westpac On Term @ 3.820% 01/09/2022 28/02/2023	0.22%
Westpac On Term @ 3.670% 01/09/2022 30/01/2023	0.22%
Westpac On Term @ 2.620% 15/02/2022 15/02/2023	0.12%
Westpac On Term @ 4.27% 01/09/2022 01/09/2023	0.11%
USD Cash	0.02%
JPY Cash (Alpha Committed)	0.01%
Other	0.00%
Total	11.68%
New Zealand fixed interest	
Bank of New Zealand 4.985% 07/06/2027	3.39%
Westpac 3.696% 16/02/27	1.92%
Vector Ltd 4.996% 14/03/2024	1.80%
Chorus Ltd 4.35% 06/12/2028	1.75%
NZ Govt 1.5% 15/05/2031	1.37%
ASB 5.524% 21/06/2027	1.14%
Auckland International Airport 3.29% 17/11/2026	0.89%
ANZ Bank NZ Limited 2.999% 17/09/2031	0.85%
Westpac 1.439% 02/24/26	0.83%
Westpac 6.19% 16/09/2032	0.81%
ANZ Bank NZ Limited 3.03% 20/03/2024	0.72%
Infratil Limited 3.50% 15/12/2029	0.69%
Transpower New Zealand 4.627% 16/09/2027	0.69%
Quayside Holding (QHLNZ) 10% Series	0.52%
BNZ 2.16% 29/01/2025	0.49%
Christchurch International Airport Limited 5.53% 05/04/2027	0.35%
Auckland International Airport 3.51% 10/10/2024	0.34%
ASB 1.646% 04/05/2026	0.21%
Christchurch City Holdings Ltd 3.01% 05/11/2026	0.16%
Kiwibank 2.635% 05/10/2026	0.16%
Powerco Limited 4.67% 15/11/2024	0.12%
ASB 1.83% 08/19/2024	0.12%
Christchurch City Holdings Ltd 3.58% 27/11/2024	0.11%
Westpac 2.083% 20/02/2025	0.11%
Total	19.54%
International fixed interest	
Hunter Global Fixed Interest Fund	49.51%
Total	49.51%
Australasian equities	
Infratil Ltd	0.76%
Fisher & Paykel Healthcare Ltd	0.46%
Meridian Energy Limited	0.40%
Spark New Zealand Ltd	0.38%
Mainfreight Ltd	0.37%
Auckland International Airport Ltd	0.32%
Ebos Group Ltd	0.29%
National Australia Bank Ltd	0.28%
A2 Milk Company Ltd	0.25%
Fletcher Building Ltd	0.25%
CSL Limited	0.21%
Mercury NZ Limited	0.18%
NEXTDC Ltd	0.18%
Macquarie Group Ltd	0.18%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Chorus Ltd	0.18%
Telstra Corp Ltd	0.16%
Summerset Group Holdings Ltd	0.14%
News Corp-CDI Class B	0.14%
Resmed Inc	0.14%
Coles Group Ltd	0.14%
Port of Tauranga Ltd	0.13%
Freightways Ltd	0.12%
Allkem Ltd	0.11%
Ramsay Health Care Ltd	0.11%
Ryman Healthcare Ltd	0.09%
Block Inc - CDI	0.09%
Oceania Healthcare Limited	0.09%
Xero Ltd	0.08%
Investore Property Limited	0.05%
Wesfarmers Limited	0.04%
Pushpay Holdings Ltd	0.04%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.03%
Total	6.41%
International equities	
Microsoft Corp	0.82%
Tesla Inc	0.31%
Alphabet Inc Class A	0.28%
Alphabet Inc Class C	0.26%
Procter & Gamble	0.19%
Nvidia Corp	0.16%
Visa Inc Class A	0.15%
Taiwan Semiconductor Manufacturing Co. Ltd	0.14%
Thermo Fisher Scientific Inc	0.14%
Roche Holding Par AG	0.14%
Pepsico Inc	0.14%
Eli Lilly	0.14%
Coca-Cola	0.14%
Home Depot Inc	0.13%
AbbVie Inc	0.13%
Mastercard Inc Class A	0.12%
Astrazeneca Plc	0.12%
Salesforce Inc	0.10%
Hsbc Holdings Plc	0.09%
Tencent Holdings Ltd	0.09%
Danaher Corp	0.09%
Adobe Inc	0.09%
Walt Disney	0.08%
Intuit Inc	0.08%
Cisco Systems Inc	0.08%
Accenture Plc Class A	0.08%
ASML Holding NV	0.08%
Verizon Communications Inc	0.07%
Texas Instrument Inc	0.07%
Novo Nordisk Class B	0.07%
Linde Plc	0.07%
Alibaba Group Holding Ltd	0.07%
Amgen Inc	0.07%
Elevance Health Inc	0.06%
Servicenow Inc	0.06%
Unilever Plc	0.06%
Toyota Motor Corp	0.06%
Lowes Companies Inc	0.06%
International Business Machines Co	0.06%
Amazon Com Inc	0.05%
Apple Inc	0.05%
S&P Global Inc	0.05%
United Parcel Service Inc Class B	0.05%
Toronto Dominion	0.05%
Morgan Stanley	0.05%
Intel Corporation Corp	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Nike Inc Class B	0.05%
Automatic Data Processing Inc	0.05%
Charles Schwab Corp	0.05%
Caterpillar Inc	0.05%
Cigna Corp	0.05%
Abbott Laboratories	0.05%
Becton Dickinson	0.05%
Novartis Ag	0.04%
Aia Group Ltd	0.04%
Johnson & Johnson	0.04%
SAP	0.04%
Zoetis Inc Class A	0.04%
Roper Technologies Inc	0.04%
Sony Group Corp	0.04%
Vertex Pharmaceuticals Inc	0.04%
Starbucks Corp	0.04%
Target Corp	0.04%
Synopsys Inc	0.04%
Regeneron Pharmaceuticals Inc	0.04%
Meituan	0.04%
Gilead Sciences Inc	0.04%
Kimberly Clark Corp	0.04%
Prologis REIT Inc	0.04%
American Tower Reit Corp	0.04%
Chubb Ltd	0.04%
Applied Material Inc	0.04%
BlackRock Inc	0.04%
American Express	0.04%
Bnp Paribas SA	0.04%
Colgate-Palmolive	0.04%
Edwards Lifesciences Corp	0.04%
Deere	0.04%
Novo Nordisk Class B	0.03%
Crown Castle Inc	0.03%
Medtronic Plc	0.03%
Sherwin Williams	0.03%
Oracle Corp	0.03%
Enphase Energy Inc	0.03%
Unitedhealth Group Inc	0.03%
Schneider Electric	0.03%
TJX Inc	0.03%
Waste Management Inc	0.03%
Vestas Wind Systems	0.03%
Relx Plc	0.03%
Truist Financial Corp	0.03%
Lair Liquide Societe Anonyme Pour	0.03%
Illinois Tool Inc	0.03%
PNC Financial Services Group Inc	0.03%
Loreal SA	0.03%
ING Groep NV	0.03%
Humana Inc	0.03%
Lam Research Corp	0.03%
Marsh & McLennan Inc	0.03%
Progressive Corp	0.03%
General Mills Inc	0.03%
Reckitt Benckiser Group Plc	0.03%
Lloyds Banking Group Plc	0.03%
CSX Corp	0.03%
Booking Holdings Inc	0.03%
Autodesk Inc	0.03%
Aon Plc Class A	0.03%
CME Group Inc Class A	0.03%
Bank Of Nova Scotia	0.03%
Bank Of Montreal	0.03%
Allianz	0.03%
Cadence Design Systems Inc	0.03%
Nutrien Ltd	0.02%
Estee Lauder Inc Class	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Glaxosmithkline	0.02%
Archer Daniels Midland	0.02%
Nucor Corp	0.02%
Plug Power Inc	0.02%
Iqvia Holdings Inc	0.02%
Nxp Semiconductors Nv	0.02%
Church And Dwight Inc	0.02%
Pfizer Inc	0.02%
Cvs Health Corp	0.02%
Meta Platforms Inc Class A	0.02%
Merck & Co Inc	0.02%
Intuitive Surgical Inc	0.02%
WW Grainger Inc	0.02%
Waste Connections Inc	0.02%
Vodafone Group Plc	0.02%
T Rowe Price Group Inc	0.02%
West Pharmaceutical Services Inc	0.02%
Travelers Companies Inc	0.02%
VMware Class A Inc	0.02%
Tokyo Electron Ltd	0.02%
Norfolk Southern Corp	0.02%
Hormel Foods Corp	0.02%
PPG Industries Inc	0.02%
Hoya Corp	0.02%
Nintendo Ltd	0.02%
Intercontinental Exchange Inc	0.02%
Idexx Laboratories Inc	0.02%
M&T Bank Corp	0.02%
Recruit Holdings Ltd	0.02%
HCA Healthcare Inc	0.02%
Keurig Dr Pepper Inc	0.02%
Intesa Sanpaolo	0.02%
Nordea Bank	0.02%
Mccormick & Co Non-Voting Inc	0.02%
Genuine Parts	0.02%
Johnson Controls International Plc	0.02%
Hitachi Ltd	0.02%
MercadoLibre Inc	0.02%
Illumina Inc	0.02%
Moodys Corp	0.02%
Prosus NV	0.02%
KDDI Corp	0.02%
Motorola Solutions Inc	0.02%
Lonza Group AG	0.02%
Daiichi Sankyo Ltd	0.02%
Banco Bilbao Vizcaya Argentaria SA	0.02%
Axa SA	0.02%
Eaton Plc	0.02%
Compass Group Plc	0.02%
Bank Of New York Mellon Corp	0.02%
Ansys Inc	0.02%
Activision Blizzard Inc	0.02%
Agilent Technologies Inc	0.02%
Baxter International Inc	0.02%
Compagnie Financiere Richemont SA	0.02%
Essilorluxottica SA	0.02%
DBS Group Holdings Ltd	0.02%
Biogen Inc	0.02%
Daikin Industries Ltd	0.02%
Allstate Corp	0.02%
Arthur J Gallagher	0.02%
Clorox	0.02%
Dexcom Inc	0.02%
Canadian Imperial Bank of Commerce	0.02%
Ecolab Inc	0.02%
ABB Ltd	0.02%
Electronic Arts Inc	0.02%
Centene Corp	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Equinix Reit Inc	0.02%
Aflac Inc	0.02%
China Construction Bank Corp H	0.02%
Cardinal Health Inc	0.02%
Banco Santander Sa	0.01%
Sampo	0.01%
Old Dominion Freight Line	0.01%
Panasonic Holdings Corp	0.01%
United Overseas Bank Ltd	0.01%
Saputo Inc	0.01%
Martin Marietta Materials Inc	0.01%
Byd Ltd	0.01%
Power Corporation Of Canada	0.01%
China Merchants Bank Ltd	0.01%
Telekomunikasi Indonesia	0.01%
Nippon Steel Corp	0.01%
Warner Bros. Discovery Inc	0.01%
Marubeni Corp	0.01%
Expeditors International Of Washin	0.01%
Baidu Class A Inc	0.01%
Deutsche Bank Ag	0.01%
Netease Inc	0.01%
Otis Worldwide Corp	0.01%
Cboe Global Markets Inc	0.01%
Quanta Services Inc	0.01%
Contemporary Amperex Technology Lt	0.01%
Zoom Video Communications Inc Clas	0.01%
Monster Beverage Corp	0.01%
Ulta Beauty Inc	0.01%
Welltower	0.01%
Ventas Reit Inc	0.01%
Bayer Ag	0.01%
Zoominfo Technologies Inc	0.01%
Lpl Financial Holdings Inc	0.01%
Unicredit	0.01%
A P Moller Maersk	0.01%
Compagnie Generale Des Etablisseme	0.01%
Brown & Brown Inc	0.01%
Sanofi Sa	0.01%
Jb Hunt Transport Services	0.01%
Sba Communications Reit Corp	0.01%
Crowdstrike Holdings Inc Class A	0.01%
Sysco Corp	0.01%
Sunrun Inc	0.01%
Datadog Inc Class A	0.01%
Realty Income Reit Corp	0.01%
Diageo Plc	0.01%
Ptc Inc	0.01%
Dover Corp	0.01%
Splunk Inc	0.01%
Advanced Micro Devices Inc	0.01%
Natwest Group Plc	0.01%
Essex Property Trust Reit Inc	0.01%
Open Text Corp	0.01%
Air Products And Chemicals Inc	0.01%
Prudential Plc	0.01%
Federal Realty Investment Trust Re	0.01%
Qualcomm Inc	0.01%
First Solar Inc	0.01%
Corteva Inc	0.01%
Fortinet Inc	0.01%
Constellation Brands Inc Class A	0.01%
Fanuc Corp	0.01%
Bunzl	0.01%
Hershey Foods	0.01%
Boston Scientific Corp	0.01%
Hubspot Inc	0.01%
Albemarle Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Incyte Corp	0.01%
Palo Alto Networks Inc	0.01%
Broadcom Inc	0.01%
Cintas Corp	0.01%
Trade Desk Inc Class A	0.01%
Pearson Plc	0.01%
Barclays Plc	0.01%
Paypal Holdings Inc	0.01%
Webster Financial Corp	0.01%
Rio Tinto Plc	0.01%
Zimmer Biomet Holdings Inc	0.01%
Solaredge Technologies Inc	0.01%
Mondelez International Inc Class A	0.01%
Snowflake Class A	0.01%
Brown Forman Corp Class B	0.01%
Standard Chartered Plc	0.01%
3M	0.01%
Stryker Corp	0.01%
Bristol Myers Squibb	0.01%
Alnylam Pharmaceuticals Inc	0.01%
Nortonlifelock Inc	0.01%
Walgreen Boots Alliance Inc	0.01%
Kla Corp	0.01%
Walmart Inc	0.01%
Mcdonalds Corp	0.01%
Zendesk Inc	0.01%
Mckesson Corp	0.01%
Xinyi Solar Holdings Ltd	0.01%
Trimble Inc	0.01%
Water Corp	0.01%
Veolia Environ. SA	0.01%
SoftBank Corp	0.01%
WSP Global Inc	0.01%
Sompo Holdings Inc	0.01%
Uni-President Enterprises Corp	0.01%
Sonova Holding AG	0.01%
VF Corp	0.01%
SSE Plc	0.01%
Willis Towers Watson Plc	0.01%
State Street Corp	0.01%
Yaskawa Electric Corp	0.01%
Steel Dynamics Inc	0.01%
Umicore SA	0.01%
Steris	0.01%
United Rentals Inc	0.01%
Straumann Holding AG	0.01%
Verisk Analytics Inc	0.01%
SVB Financial Group	0.01%
Sika AG	0.01%
Swiss Life Holding AG	0.01%
Weyerhaeuser REIT	0.01%
Swiss Re AG	0.01%
Workday Inc Class A	0.01%
Symrise AG	0.01%
Skandinaviska Enskilda Banken	0.01%
Synchrony Financial	0.01%
Shiseido Ltd	0.01%
Regions Financial Corp	0.01%
Sandvik	0.01%
Shionogi Ltd	0.01%
Unicharm Corp	0.01%
Rockwell Automation Inc	0.01%
United Micro Electronics Corp	0.01%
Take Two Interactive Software Inc	0.01%
Upm-Kymmene	0.01%
Rogers Communications Non-Voting I	0.01%
Verbund AG	0.01%
TDK Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Segro REIT Plc	0.01%
Teleflex Inc	0.01%
Shopify Subordinate Voting Inc Class A	0.01%
Teleperformance	0.01%
Singapore Telecommunications Ltd	0.01%
Ross Stores Inc	0.01%
SK Hynix Inc	0.01%
Thomson Reuters Corp	0.01%
Wheaton Precious Metals Corp	0.01%
Republic Services Inc	0.01%
Wolters Kluwer NV	0.01%
Yum China Holdings Inc	0.01%
WR Berkley Corp	0.01%
Zebra Technologies Corp Class A	0.01%
Wuxi Biologics Cayman Inc	0.01%
Wh Group Ltd	0.01%
Xylem Inc	0.01%
China Yangtze Power Ltd A	0.01%
Societe Generale SA	0.01%
Ping An Insurance (Group) Of China	0.01%
West Fraser Timber Ltd	0.01%
Samsung SDI Ltd	0.01%
Terumo Corp	0.01%
Tractor Supply	0.01%
Longi Green Energy Technology Ltd	0.01%
Trane Technologies Plc	0.01%
Transunion	0.01%
SGS SA	0.01%
Pool Corp	0.01%
NN Group NV	0.01%
Nasdaq Inc	0.01%
Koninkilijke Dsm NV	0.01%
Omron Corp	0.01%
Koninklijke Ahold Delhaize NV	0.01%
Public Bank	0.01%
Kubota Corp	0.01%
Newmont	0.01%
Fujifilm Holdings Corp	0.01%
Kellogg	0.01%
Fujitsu Ltd	0.01%
Pentair	0.01%
Industria De Diseno Textil Inditex	0.01%
KeyCorp	0.01%
Legal and General Group Plc	0.01%
Komatsu Ltd	0.01%
Legrand SA	0.01%
Naver Corp	0.01%
Li Auto Adr Inc	0.01%
Kao Corp	0.01%
Horizon Therapeutics Public Plc	0.01%
Idex Corp	0.01%
Link Real Estate Investment Trust	0.01%
Novozymes B	0.01%
LKQ Corp	0.01%
Orix Corp	0.01%
Ingersoll Rand Inc	0.01%
Perkinelmer Inc	0.01%
Hang Seng Bank Ltd	0.01%
Principal Financial Group Inc	0.01%
Insulet Corp	0.01%
Hologic Inc	0.01%
Intact Financial Corp	0.01%
Raymond James Inc	0.01%
Lululemon Athletica Inc	0.01%
Murata Manufacturing Ltd	0.01%
Healthpeak Properties Inc	0.01%
National Bank Of Canada	0.01%
Magna International Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Netflix Inc	0.01%
Hewlett Packard Enterprise	0.01%
Nibe Industrier Class B	0.01%
Masco Corp	0.01%
KB Financial Group Inc	0.01%
HP Inc	0.01%
KBC Groep	0.01%
International Flavors & Fragrances	0.01%
Northern Trust Corp	0.01%
MediaTek Inc	0.01%
Novocure Ltd	0.01%
Hilton Worldwide Holdings Inc	0.01%
Kering SA	0.01%
Geberit AG	0.01%
Orange SA	0.01%
Merck	0.01%
Paccar Inc	0.01%
Metro Inc	0.01%
Givaudan SA	0.01%
Mettler Toledo Inc	0.01%
Kerry Group Plc	0.01%
Genmab	0.01%
Hartford Financial Services Group	0.01%
Mitsubishi Estate Co Ltd	0.01%
Grupo Finance Banorte	0.01%
Molina Healthcare Inc	0.01%
Keysight Technologies Inc	0.01%
Itochu Corp	0.01%
Prudential Financial Inc	0.01%
Huntington Bancshares Inc	0.01%
Quest Diagnostics Inc	0.01%
Mosaic	0.01%
KKR and Co Inc	0.01%
Kakao Corp	0.01%
MS&AD Insurance Group Holdings Inc	0.01%
Laboratory Corporation Of America	0.01%
Assa Abloy AB	0.01%
Amcor Plc	0.01%
Cummins Inc	0.01%
Campbell Soup	0.01%
Dominos Pizza Inc	0.01%
Align Technology Inc	0.01%
Fast Retailing Ltd	0.01%
Ferguson Plc	0.01%
Best Buy Inc	0.01%
First Republic Bank	0.01%
Ashtead Group Plc	0.01%
Fortive Corp	0.01%
AEON Ltd	0.01%
Atlas Copco Class A	0.01%
Bunge Ltd	0.01%
CBRE Group Inc Class A	0.01%
Aptiv Plc	0.01%
Atlas Copco Class B	0.01%
Dai-Ichi Life Holdings Inc	0.01%
CH Robinson Worldwide Inc	0.01%
Bio Techne Corp	0.01%
American Water Works Inc	0.01%
Delta Electronics Inc	0.01%
Ameriprise Finance Inc	0.01%
DNB Bank	0.01%
China Mengniu Dairy Ltd	0.01%
BMW AG	0.01%
China Resources Land Ltd	0.01%
BOC Hong Kong Holdings Ltd	0.01%
Chocoladefabriken Lindt & Spruengli AG	0.01%
Boston Properties Reit Inc	0.01%
AmerisourceBergen Corp	0.01%

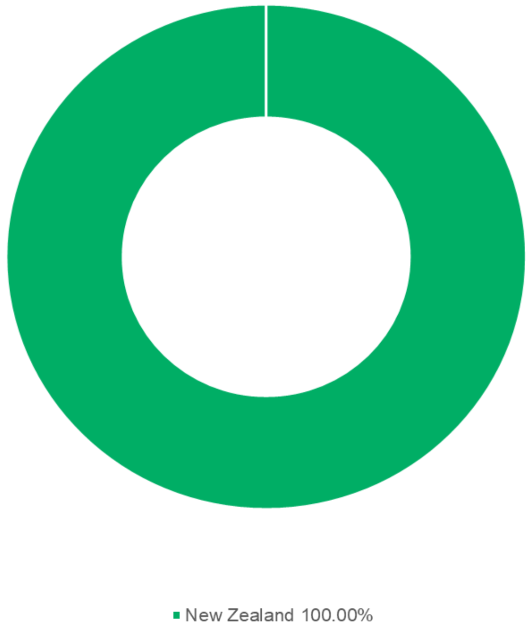
Asset Class & Holdings	% of fund net assets
International equities (continued)	
Expeditors International Of Washington Inc	0.01%
Chugai Pharmaceutical Ltd	0.01%
Astellas Pharma Inc	0.01%
Chunghwa Telecom Ltd	0.01%
CTBC Financial Holding Ltd	0.01%
Ball Corp	0.01%
D R Horton Inc	0.01%
Cincinnati Financial Corp	0.01%
Arch Capital Group Ltd	0.01%
Adidas N AG	0.01%
Daiwa House Industry Ltd	0.01%
Citizens Financial Group Inc	0.01%
Danone SA	0.01%
Citrix Systems Inc	0.01%
Biomarin Pharmaceutical Inc	0.01%
Banco Bradesco Pref SA	0.01%
Deutsche Boerse AG	0.01%
Bank Central Asia	0.01%
Discover Financial Services	0.01%
CNH Industrial NV	0.01%
Dollarama Inc	0.01%
Bank Leumi Le Israel	0.01%
East Japan Railway	0.01%
Abiomed Inc	0.01%
Ebay Inc	0.01%
Coloplast B	0.01%
EDP Renovaveis SA	0.01%
Commerzbank AG	0.01%
Eisai Ltd	0.01%
Agnico Eagle Mines Ltd	0.01%
Booz Allen Hamilton Holding Corp C	0.01%
Ajinomoto Inc	0.01%
Ericsson B	0.01%
Conagra Brands Inc	0.01%
Essity Class B	0.01%
Cooper Inc	0.01%
FactSet Research Systems Inc	0.01%
Copart Inc	0.01%
Fastenal	0.01%
CRH Plc	0.01%
Croda International Plc	0.01%
Fomento Economico Mexicano	0.01%
A O Smith Corp	0.01%
Franklin Resources Inc	0.01%
Catalent Inc	0.01%
Carrier Global Corp	0.01%
Other	0.91%
Total	12.86%
Grand Total	**100%**

MAS KiwiSaver Scheme

Cash Fund Holdings
As at 30 September 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	100.00%
Total	100.00%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

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2. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	25.45%
BNZ On Term @ 1.86% 27/10/2021 27/10/2022	10.14%
Westpac On Term @ 4.26% 13/07/2022 13/07/2023	10.06%
China Construction Bank On Term @ 3.4% 10/05/2022 10/05/2023	6.73%
China Construction Bank On Term @ 3.95% 13/07/2022 11/04/2023	6.70%
ASB Term Deposit 4.070% 28/06/2022 28/06/2023	5.71%
BNZ On Term @ 2.23% 24/12/2021 28/12/2022	5.07%
ANZ Bank NZ Limited Term Deposit 1.800% 05/11/2021 07/11/2022	5.06%
Kiwibank On Term @ 3% 10/05/2022 10/05/2023	5.04%
ASB Term Deposit 3.160% 13/07/2022 09/01/2023	5.02%
ASB Term Deposit 3.5% 13/06/2022 13/06/2023	3.36%
ANZ Bank NZ Limited Term Deposit 4.100% 03/08/2022 03/08/2023	3.34%
Westpac On Term @ 3.820% 01/09/2022 28/02/2023	3.33%
Westpac On Term @ 3.670% 01/09/2022 30/01/2023	3.33%
Westpac On Term @ 4.27% 01/09/2022 01/09/2023	1.67%
Grand Total	**100%**

The RIAA Certification Symbol signifies that a product or service offers an investment style that takes into account certain environmental, social, governance or ethical considerations The Symbol also signifies that the MAS KiwiSaver Scheme adheres to the strict operational and disclosure practices required under the Responsible Investment Certification Program for the category of Superfund Option. The Certification Symbol is a Registered Trade Mark of the Responsible Investment Association Australasia (RIAA). Detailed information about RIAA, the Symbol and the MAS KiwiSaver Scheme's methodology and performance can be found at www.responsiblereturns.com.au, together with details about other responsible investment products certified by RIAA[1].

[1]The Responsible Investment Certification Program does not constitute financial product advice. Neither the Certification Symbol nor RIAA recommends to any person that any financial product is a suitable investment or that returns are guaranteed. Appropriate professional advice should be sought prior to making an investment decision. RIAA does not hold an Australian Financial Services Licence.

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