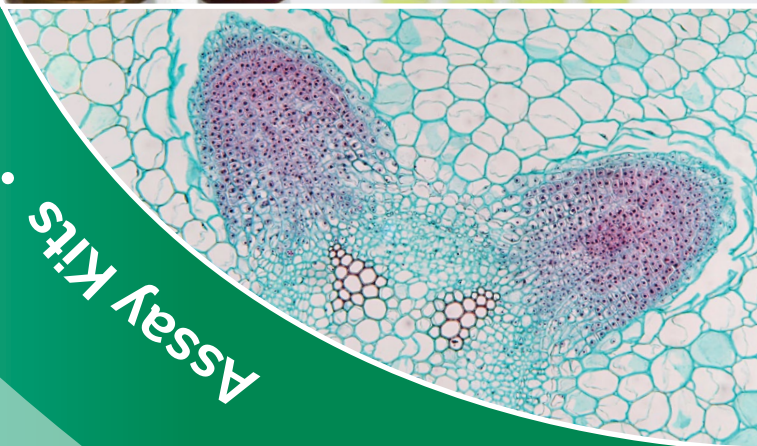


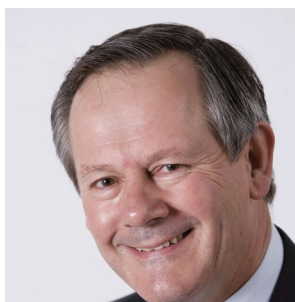
Assay Kits • Enzymes • Enzyme Substrates • Carbohydrates



Plant Cell Wall & Biofuels Product Guide

MEGAZYME

Purity. Quality. Innovation.



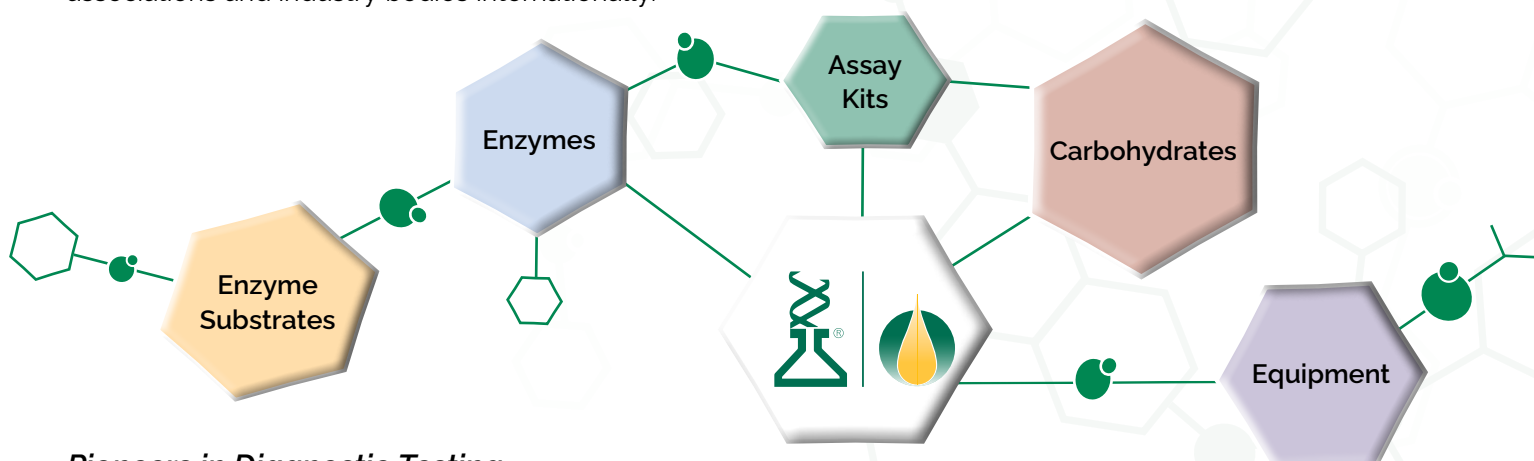
Barry V. McCleary, PhD, DScAgr

Setting New Standards in Test Technology

Megazyme is a global leader in analytical reagents, enzymes and assay kits. Cutting-edge research is at the core of our product development. Our novel test methods and reagents are developed by scientists for scientists, and we are the sole worldwide producer for a number of industry-standard products.

We offer best-in-class service and support to end-users and distributors alike, including technical advice straight from our researchers and expedited delivery to 220 countries worldwide.

Megazyme test kits are approved as validated methods by worldwide regulatory institutes in both research and industry. As our global reach has grown, we have been proud to receive ongoing recognition from scientific associations and industry bodies internationally.



Pioneers in Diagnostic Testing

Megazyme's research efforts are focussed on the development of test kits and reagents for use in analytical and research laboratories. Megazyme test kits – developed and manufactured in-house – have attracted worldwide acclaim for their genuinely innovative methodologies and for the exceptional purity of the enzymes included in the kits.

At Megazyme, we have leveraged our expertise in cereals research to create products suitable for a wide range of industries. Our products are primarily used by manufacturers and scientists in the food, feed, dairy wine and fermentation industries. Our enzyme test tablets have been adopted by enzyme manufacturers around the world as part of their quality control processes.

As a company, Megazyme is recognised as one of Europe's dynamic and innovative life sciences businesses. In 2016, Megazyme received the Ruban D'Honneur for entrepreneurship at the prestigious European Business Awards and won the Irish Times Innovation Award in the Life Sciences and Healthcare category.

From our headquarters in Bray, Megazyme develops, manufactures and supplies products for laboratories around the world. Our US subsidiary Megazyme Inc. was established in 2015. We ship directly worldwide and have an extensive distributor network covering every continent.

Professor Barry V. McCleary

Company Founder

Cat. No.	Product
ASSAY KITS	
K-CERA	α -Amylase (Ceralpha method)
K-AMYLS	α -Amylase (Sprout Damaged method)
K-BETA3	β -Amylase (Betamyl-3 method)
K-MALTA	Malt Amylase
K-AMYL	Amylose/Amylopectin
K-ARAB	Arabinan
K-ARGA	L-Arabinose/D-Galactose (Rapid)
K-CellG5	<i>endo</i> -Cellulase (CellG5 method)
K-CellG3	<i>endo</i> -Cellulase (CellG3 method)
K-ETOH	Ethanol
K-TDFR	Fiber (Total Dietary Fiber)
K-INTDF	Fiber (Integrated Total Dietary Fiber)
K-RINTDF	Fiber (Rapid Integrated Total Dietary Fiber)
K-TDFC	Fiber Controls (Total Dietary Fiber)
K-FRUCHK	Fructan (Hexokinase format)
K-FUCOSE	L-Fucose
K-GALM	Galactomannan (Carob or guar)
K-BGLU	β -Glucan (Barley & oat; mixed linkage)
K-YBGL	β -Glucan (Yeast & mushroom)
K-EBHLG	β -Glucan (Yeast enzymatic)
K-MBG4	β -Glucanase/Lichenase (MBG4 method)
K-MBGL	β -Glucanase (Malt & microbial)
K-GLUM	Glucomannan
K-GATE	D-Gluconate Acid/D-Glucono- δ -lactone
K-GAMINE	D-Glucosamine (D-Glucosamine sulphate)
K-GLUC	D-Glucose (GOPOD format)
K-GLUHK	D-Glucose (Hexokinase format)
K-URONIC	D-Glucuronic/D-Galacturonic Acid
K-AGLUA	α -Glucuronidase
K-DLATE	D-/L-Lactic Acid
K-LATE	L-Lactic Acid
K-LACGAR	Lactose/D-Galactose (Rapid)
K-LACSU	Lactose/Sucrose/D-Glucose
K-MASUG	Maltose/Sucrose/D-Glucose
K-MANOL	D-Mannitol/L-Arabitol
K-MANGL	D-Mannose/D-Fructose/D-Glucose
K-PECID	Pectin Identification
K-PullG6	Pullulanase/Limit Dextrinase (PullG6 method)
K-RAFGA	Raffinose/D-Galactose
K-RAFGL	Raffinose/Sucrose/D-Glucose
K-RHAMNOSE	L-Rhamnose
K-SORB	D-Sorbitol/Xylitol
K-SDAM	Starch Damage
K-RSTAR	Starch (Resistant Starch)
K-TSTA	Starch (Total Starch; GOPOD format)
K-RSTCL	Starch Controls (Resistant Starch)
K-TSHK	Starch (Total Starch; Hexokinase format)
K-SUFRG	Sucrose/D-Fructose/D-Glucose
K-SUCGL	Sucrose/D-Glucose
K-TREH	Trehalose
K-AZOWAX	Xylanase (Azo-Wax format)
K-XYLS	Xylanase (Xylazyme AX format)
K-XylX6	Xylanase (XylX6 method)
K-XYLOSE	D-Xylose
CARBOHYDRASE TABLET TESTS	
T-AMZ	Amylazyme
T-ARZ-200T	Arabazyme
T-AMZHY-200T	Amylazyme HY
T-CCZ	Cellazyme C

Cat. No.	Product
T-CTZ	Cellazyme T
T-DEXT-200T	Alpha-Dextrazyme
T-LDZ	Limit-Dextrizyme
T-GLZ	Galactazyme
T-BGZ	β -Glucazyme
T-CUR-200T	1,3- β -Glucazyme HS
T-MNZ	Mannazyme
T-RHAM-200T	Rhamnozyme
T-XAX	Xylazyme AX
ENZYMES	
E-DEXT	Dextranase (<i>Chaetomium</i> sp.)
E-BNAHP	^{Rec} β -N-Acetylhexosaminidase (prokaryote)
E-AXEAO	^{Rec} Acetylxyylan esterase (<i>Orpinomyces</i> sp.)
E-AXSEC	^{Rec} α -Xylosidase (<i>E. coli</i>)
E-ALGLS	^{Rec} Alginate lyase (<i>Sphingomonas</i> sp.)
E-ANAAM	α -Amylase (<i>A. oryzae</i>)
E-BLAAM	α -Amylase (<i>B. licheniformis</i>)
E-PANAA	α -Amylase (Porcine Pancreatic)
E-BARBL	β -Amylase (barley; liquid)
E-BARBP	β -Amylase (barley; powder)
E-BAMBC	^{Rec} β -Amylase (<i>B. cereus</i>)
E-AMGDF	Amyloglucosidase (<i>A. niger</i>)
E-AMGPU	Amyloglucosidase (<i>Rhizopus</i> sp.)
E-AMGDFNG	Amyloglucosidase (<i>A. niger</i>) Glycerol Free
E-EARAB	<i>endo</i> -1,5- α -L-Arabinanase (<i>A. niger</i>)
E-ABFAN	α -L-Arabinofuranosidase (<i>A. nidulans</i>)
E-ABFBO17	α -L-Arabinofuranosidase B17 (<i>Bacteroides ovatus</i>)
E-ABFBO25	α -L-Arabinofuranosidase B25 (<i>Bacteroides ovatus</i>)
E-AFASE	α -L-Arabinofuranosidase (<i>A. niger</i>)
E-AFAM2	^{Rec} α -L-Arabinofuranosidase (novel specificity) (<i>B. adolescentis</i>)
E-ABFUM	^{Rec} α -L-Arabinofuranosidase (<i>U. maydis</i>)
E-ARBACJ	^{Rec} <i>endo</i> -/ <i>exo</i> -Arabinanase (<i>C. japonicus</i>)
E-CBHI	Cellobiohydrolase I (<i>T. longibrachiatum</i>)
E-CBHIIIM	^{Rec} Cellobiohydrolase II (microbial)
E-CELAN	Cellulase (<i>endo</i> -1,4- β -D-glucanase) (<i>A. niger</i>)
E-CELBA	^{Rec} Cellulase (<i>endo</i> -1,4- β -D-glucanase) (<i>B. amyloliquefaciens</i>)
E-CELTM	^{Rec} Cellulase (<i>endo</i> -1,4- β -D-glucanase) (<i>T. maritima</i>)
E-CELTH	Cellulase (<i>endo</i> -1,4- β -D-glucanase) (<i>T. halotolerans</i>)
E-CELTE	Cellulase (<i>endo</i> -1,4- β -D-glucanase) (<i>T. emersonii</i>)
E-CELTR	Cellulase (<i>endo</i> -1,4- β -D-glucanase) (<i>T. longibrachiatum</i>)
E-FAERU	^{Rec} Feruloyl esterase (rumen microorganism)
E-FAEZCT	^{Rec} Feruloyl esterase (<i>C. thermocellum</i>)
E-FRMXLQ	Fructanase mixture (purified; liquid)
E-FRMXPD	Fructanase Mixture (purified-powder)
E-FUCHS	^{Rec} α -(1-2,3,4,6)-L-Fucosidase (<i>Homo sapiens</i>)
E-FUCTM	^{Rec} α -Fucosidase (thermostable) (<i>T. maritima</i>)
E-EGALN	<i>endo</i> -1,4- β -D-Galactanase (<i>A. niger</i>)
E-GALCJ	^{Rec} <i>endo</i> -1,4- β -D-Galactanase (<i>C. japonicus</i>)
E-GALCT	^{Rec} <i>endo</i> -1,4- β -D-Galactanase (<i>C. thermocellum</i>)
E-GALDH	^{Rec} Galactose dehydrogenase (soil prokaryote)
E-GALMUT	^{Rec} Galactose dehydrogenase - Galactose mutarotase

Cat. No.	Product
E-AGLAN	α -Galactosidase (<i>A. niger</i>)
E-AGLANP	α -Galactosidase (<i>A. niger</i>) powder
E-AGLGU	α -Galactosidase (<i>guar</i>)
E-BGLAN	β -Galactosidase (<i>A. niger</i>)
E-LICACT	^{Rec} Non-specific <i>endo</i> -1,3(4)- β -Glucanase (<i>C. thermocellum</i>)
E-EXBGOS	<i>exo</i> -1,3- β -D-Glucanase + β -Glucosidase
E-LAMSE	<i>endo</i> -1,3- β -D-Glucanase (<i>Trichoderma</i> sp.)
E-LAMHV	^{Rec} <i>endo</i> -1,3- β -D-Glucanase (barley)
E-EXG5AO	^{Rec} <i>exo</i> -1,3- β -D-Glucanase (<i>A. oryzae</i>)
E-GOXCA	Glucose oxidase - Catalase mixture (eukaryote)
E-GPDH5	Glucose-6-phosphate dehydrogenase (<i>L. mesenteroides</i>)
E-GPDHEC	^{Rec} Glucose-6-phosphate dehydrogenase (<i>E. coli</i>)
E-EXBGTV	^{Rec} <i>exo</i> -1,3- β -D-Glucanase (<i>Trichoderma virens</i>)
E-TSAGL	α -Glucosidase (<i>B. stearothermophilus</i>)
E-TSAGS	^{Rec} α -Glucosidase (<i>B. stearothermophilus</i>)
E-MALTS	α -Glucosidase (maltase) (yeast)
E-TRNGL	α -Glucosidase (transglucosidase) (<i>A. niger</i>)
E-AGLUTM	^{Rec} α -Glucosidase (thermostable) (<i>T. maritima</i>)
E-BGLUC	β -Glucosidase (<i>A. niger</i>)
E-BGOSAG	^{Rec} β -Glucosidase (<i>Agrobacterium</i> sp.)
E-BGOSTM	^{Rec} β -Glucosidase (thermostable) (<i>T. maritima</i>)
E-BGOSPC	^{Rec} β -Glucosidase (thermostable) (<i>P. chrysosporium</i>)
E-BGLAEC	^{Rec} β -Glucuronidase (<i>E. coli</i>)
E-AGUBS	^{Rec} α -Glucuronidase (<i>G. stearothermophilus</i>)
E-HYLSP	^{Rec} Hyaluronate lyase (novel specificity) (soil prokaryote)
E-ENDOIAN	^{Rec} <i>endo</i> -Inulinase (<i>A. niger</i>)
E-EXOIAN	^{Rec} <i>exo</i> -Inulinase (<i>A. niger</i>)
E-INVRT	Invertase (fructofuranosidase) (yeast)
E-INVPD	Invertase powder
E-ISAMY	Isoamylase (glycogen 6-glucanohydrolase)
E-MNHPF	^{Rec} Mannitol dehydrogenase (<i>P. fluorescens</i>)
E-LLDHP	^{Rec} L-Lactate dehydrogenase (Porcine)
E-MAST	Malt Amylase Standard
E-MASTP	Malt amylase standard (powder)
E-PCLYAN	Pectate lyase (<i>Aspergillus</i> sp.)
E-PCLYAN2	Pectate lyase (<i>Aspergillus</i> sp.)
E-LICHN	Lichenase (<i>endo</i> -1,3;1,4- β -D-Glucanase) (<i>Bacillus</i> sp.)
E-BMANN	<i>endo</i> -1,4 β -Mannanase (<i>A. niger</i>)
E-BMABC	^{Rec} <i>endo</i> -1,4- β -Mannanase (<i>B. circulans</i>)
E-BMABS	<i>endo</i> -1,4 β -Mannanase (<i>Bacillus</i> sp.)
E-BMACJ	^{Rec} <i>endo</i> -1,4 β -Mannanase (<i>C. japonicus</i>)
E-AMANBT	^{Rec} α -D-Mannosidase (<i>B. thetaiotaomicron</i>)
E-BMOSCF	^{Rec} β -Mannosidase (<i>C. fimi</i>)
E-PLYCJ	^{Rec} Pectate lyase (<i>C. japonicus</i>)
E-PGIBS	^{Rec} Phosphoglucose isomerase (<i>B. subtilis</i>)
E-PGIEC	^{Rec} Phosphoglucose isomerase (<i>E. coli</i>)
	^{Rec} Phosphoglucose isomerase (<i>S. cerevisiae</i>)
E-PGM	^{Rec} α -Phosphoglucomutase (microbial)
E-PMIEC	^{Rec} Phosphomannose isomerase (<i>E. coli</i>)
E-PGALUSP	<i>endo</i> -Polygalacturonanase M2 (<i>A. aculeatus</i>)
E-PULKP	Pullulanase M1 (<i>K. planticola</i>)
E-PULBL	Pullulanase M2 (<i>B. licheniformis</i>)
E-RHAMS	^{Rec} α -Rhamnosidase (prokaryote)
E-SUCR	Sucrase (maltase) (yeast)
E-SUCRBG	Sucrase plus β -Galactosidase
E-TREH	^{Rec} Trehalase (prokaryote)
E-UAO	^{Rec} Uricase (eukaryote)

Cat. No.	Product
E-XANLB	^{Rec} Xanthan lyase (<i>Bacillus</i> sp.)
E-XYTR1	<i>endo</i> -1,4- β -Xylanase M1 (<i>T. viride</i>)
E-XYTR3	<i>endo</i> -1,4- β -Xylanase M3 (<i>T. longibrachiatum</i> ; pl 9.0)
E-XYAN4	<i>endo</i> -1,4- β -Xylanase M4 (<i>A. niger</i>)
E-XYRU6	<i>endo</i> -1,4- β -Xylanase (rumen microorganism)
E-XGP74	^{Rec} <i>endo</i> -1,4- β -Xyloglucanase (<i>Paenibacillus</i> sp.)
E-XYLATM	^{Rec} <i>endo</i> -1,4- β -Xylanase (<i>T. maritima</i>)
E-XYNACJ	^{Rec} <i>endo</i> -1,4- β -Xylanase (<i>C. japonicus</i>)
E-XYLNP	^{Rec} <i>endo</i> -1,4- β -Xylanase (<i>N. patriciarum</i>)
E-XYNBS	^{Rec} <i>endo</i> -1,4- β -Xylanase (<i>B. stearothermophilus</i> T6)
E-XEGP	^{Rec} Xyloglucanase (<i>Paenibacillus</i> sp.)
E-XYLMUT	^{Rec} Xylose dehydrogenase + Xylose mutarotase
E-BXSEBP	^{Rec} β -Xylosidase (<i>B. pumilus</i>)
E-BXSR	^{Rec} β -D-Xylosidase (<i>S. ruminantium</i>)
OLIGOSACCHARIDES	
Acetyl-Chito-Oligosaccharides	
O-CHI2	Diacetyl-chitobiose
O-CHI3	Triacetyl-chitotriose
O-CHI4	Tetraacetyl-chitotetraose
O-CHI5	Pentaacetyl-chitopentaose
O-CHI6	Hexaacetyl-chitohexaose
Amylosaccharides (mixed-linkage)	
O-PAN	Panose
O-IPAN	Isopanose
O-GMT	6 ³ - α -D-Glucosyl-maltotriose
O-GMH	6 ³ - α -D-Glucosyl-maltotriosyl-maltotriose
O-MTMT	6 ³ - α -D-Maltotriosyl-maltotriose
1,5-α-L-Arabino-Oligosaccharides	
O-ABI	Arabinobiose (syrup)
O-ATR	Arabinotriose (syrup)
O-ATE	Arabinotetraose (syrup)
O-APE	Arabinopentaose (syrup)
O-AHE	Arabinohexaose (powder)
O-AHP	Arabinoheptaose (powder)
O-AOC	Arabino-octaose (powder)
Arabino-Xylo-Oligosaccharides	
O-A3X	3 ² - α -L-Arabinofuranosyl-xylobiose (A ³ X)
O-A2XX	2 ³ - α -L-Arabinofuranosyl-xylotriose (A ² XX)
O-A23XX	2 ³ ,3 ³ -di- α -L-Arabinofuranosyl-xylotetraose (XA ^{2,3} XX)
O-XA3XX	3 ³ - α -L-Arabinofuranosyl-xylotetraose (XA ³ XX)
O-XAXXMIX	3 ³ - α -L- plus 2 ³ - α -L-arabinofuranosyl-xylotetraose (XA ³ XX/XA ² XX) mixture
Cello-Oligosaccharides	
O-CTR	Cellotriose
O-CTE	Cellotetraose
O-CPE	Cellopentaose
O-CHE	Cellohexaose
1,3;1,4 β-Gluco-Oligosaccharides	
O-BGTRIA	3 ² - β -D-Glucosyl-cellobiose
O-BGTRIB	3 ¹ - β -D-Cellobiosyl-glucose
O-BGTETB	3 ¹ - β -D-Cellotriosyl-glucose
O-BGTETC	3 ² - β -D-Cellobiosyl-cellobiose + 3 ³ - β -D-Glucosyl-cellobiose

Cat. No.	Product
Fructo-Oligosaccharides	
O-KTR	1-Kestose
O-KTE	1,1-Kestotetraose
O-KPE	1,1,1-Kestopentaose
O-INU3	Inulotriose
O-LEV3	Levantriose
O-LEV2	Levanbiose
Galactooligosaccharides (GOS)	
O-GBI3	1,3-β-D-Galactobiose
O-GBI4	1,4-β-D-Galactobiose
O-GBI6	6-β-D-Galactobiose
O-LAC3	1,3-β-D-Galactosyl-D-glucose
O-LAC6	Allolactose (1,6-β-D-Galactosyl-D-glucose)
Gluco-Manno-Oligosaccharides	
O-GM	1,4-β-D-Glucosyl-D-Mannose
O-GMM	1,4-β-D-Glucosyl-D-Mannobiose
O-GGM	1,4-β-D-Cellobiosyl-D-Mannose
O-MGM	1,4-β-D-Mannosyl-1,4-β-D-Glucosyl-D-Mannose
Galactosyl-Sucrose Oligosaccharides	
O-VER	Verbascose
Gluco-disaccharides (Various Linkages)	
O-GENT	Gentiobiose
O-NGR	Nigerose
O-SOPH	Sophorose
Galacto-Manno-Oligosaccharides	
O-GM3	6 ¹ -α-D-Galactosyl-mannotriose
O-GMM3	6 ¹ -α-D-Galactosyl-mannobiose + mannotriose
O-GGM5	6 ³ ,6 ⁴ -α-D-Galactosyl-mannopentaose
1,3-β-D-Gluco-Oligosaccharides	
O-LAM2	Laminaribiose
O-LAM3	Laminaritriose
O-LAM4	Laminaritetraose
O-LAM5	Laminaripentaose
O-LAM6	Laminarihexaose
Isomalto-Oligosaccharides	
O-IMO2	Isomaltose
O-IMO3	Isomaltotriose
Malto-Oligosaccharides	
O-MAL3	Maltotriose
O-MAL4	Maltotetraose
Oligogalacturonides	
O-GALA2	Digalacturonic acid
Xyloglucan Derived Oligosaccharides	
O-IPRM	Isoprimeverose (xyloglucan derived)
O-X3G4	Heptasaccharide (X ₃ Glc ₄)
O-XGHON	Xyloglucan (Hepta + octa + nona saccharides)
O-XGHDP	Higher DP xyloglucan oligosaccharides
1,4-β-D-Xylo-Oligosaccharides	
O-XBI	Xylobiose
O-XTR	Xylotriose
O-XTE	Xylotetraose

Cat. No.	Product
O-XPE	Xylopentaose
O-XHE	Xylohexaose
1,4-β-D-Manno-Oligosaccharides	
O-MBI	Mannobiose
O-MTR	Mannotriose
O-MTE	Mannotetraose
O-MPE	Mannopentaose
O-MHE	Mannohexaose
Colourimetric Oligosaccharides	
O-B4MUG3	Blocked 4-methylumbelliferyl-α-cellotrioside
O-4MUX2	4-Methylumbelliferyl-β-xylobioside
O-ONPX2	2-Nitrophenyl-β-xylobioside
O-PNPX2	4-Nitrophenyl-β-xylobioside
O-PNPX3	4-Nitrophenyl-β-xylotriose (20 mg)
O-PNPX	4-Nitrophenyl-β-D-xylopyranoside (1 g)
O-PNPAX	4-Nitrophenyl-α-D-xylopyranoside
O-PNPNAG	4-Nitrophenyl-β-N-acetyl-D-glucosaminide
O-PNPCH2	4-Nitrophenyl-N,N'-diacetyl-β-chitobioside
O-PNPAF	4-Nitrophenyl-α-L-arabinofuranoside
O-PNPAG	4-Nitrophenyl-α-D-glucopyranoside
O-PNPBG	4-Nitrophenyl-β-D-glucopyranoside
O-PNPAGAL	4-Nitrophenyl-α-D-galactopyranoside
O-PNPBGAL	4-Nitrophenyl-β-D-galactopyranoside
O-PNPAGALA	4-Nitrophenyl-α-D-galacturonide
O-PNPBGALA	4-Nitrophenyl-β-D-galacturonide
O-PNPAGA	4-Nitrophenyl-α-D-glucuronide
O-PNPBGA	4-Nitrophenyl-β-D-glucuronide
O-PNP AFC	4-Nitrophenyl-α-L-fucopyranoside
O-PNPAM	4-Nitrophenyl-α-D-mannopyranoside
O-PNPBM	4-Nitrophenyl-β-D-mannopyranoside
O-PNPL-100	4-Nitrophenyl-β-lactoside
POLYSACCHARIDES	
P-AMYL	Amylose (potato)
P-ARAB	Arabinan (sugar beet)
P-DBAR	Debranched Arabinan (sugar beet)
P-LARB	Linear 1,5-α-L-Arabinan (sugar beet)
P-CMLA	CM-Linear 1,5-α-L-Arabinan (sugar beet)
P-ARGAL	Arabinogalactan (larch wood)
P-RAXY	Arabinoxylan (rye flour)
P-WAXYL	Arabinoxylan (wheat flour; Ara : Xyl = 38:62)
P-WAXYM	Arabinoxylan (wheat flour; Ara : Xyl = 38:62)
P-WAXYH	Arabinoxylan (wheat flour; high viscosity; Ara : Xyl = 38:62)
P-WAXYRS	Arabinoxylan (Wheat Flour; Ara : Xyl = 38:62; for Reducing Sugar Assays)
P-WAXYI	Arabinoxylan (wheat flour; Ara : Xyl = 36:51)
P-ADWAX22	Wheat Arabinoxylan (acid debranched, 22% Ara)
P-EDWAX30	Wheat Arabinoxylan (enzyme debranched, 30% Ara)
P-BGBL	β-Glucan (barley; low viscosity)
P-BGBM	β-Glucan (barley; medium viscosity)
P-BGBH	β-Glucan (barley; high viscosity)
P-BGOM	β-Glucan (oat; medium viscosity)
P-BGOH	β-Glucan (oat; high viscosity)
P-BGYST	β-Glucan (yeast; alkali soluble)
P-BGCFA	β-Glucan CFA standard
P-MWBGS	β-Glucan MW standard
P-BLDX	β-Limit Dextrin
P-CMC4M	Carboxymethyl Cellulose 4M

Cat. No.	Product
P-CHITN	Colloidal Chitin (Shrimp shells)
P-CURDL	Curdlan
POLYSACCHARIDES	
P-AMYL	Amylose (potato)
P-ARAB	Arabinan (sugar beet)
P-DBAR	Debranched Arabinan (sugar beet)
P-LARB	Linear 1,5- α -L-Arabinan (sugar beet)
P-CMLA	CM-Linear 1,5- α -L-Arabinan (sugar beet)
P-ARGAL	Arabinogalactan (larch wood)
P-RAXY	Arabinoxylan (rye flour)
P-WAXYL	Arabinoxylan (wheat flour; Ara : Xyl = 38:62)
P-WAXYM	Arabinoxylan (wheat flour; Ara : Xyl = 38:62)
P-WAXYH	Arabinoxylan (wheat flour; high viscosity; Ara : Xyl = 38:62)
P-WAXYRS	Arabinoxylan (Wheat Flour; Ara : Xyl = 38:62; for Reducing Sugar Assays)
P-WAXYI	Arabinoxylan (wheat flour; Ara : Xyl = 36:51)
P-ADWAX22	Wheat Arabinoxylan (acid debranched, 22% Ara)
P-EDWAX30	Wheat Arabinoxylan (enzyme debranched, 30% Ara)
P-BGBL	β -Glucan (barley; low viscosity)
P-BGBM	β -Glucan (barley; medium viscosity)
P-BGBH	β -Glucan (barley; high viscosity)
P-BGOM	β -Glucan (oat; medium viscosity)
P-BGOH	β -Glucan (oat; high viscosity)
P-BGYST	β -Glucan (yeast; alkali soluble)
P-BGCFA	β -Glucan CFA standard
P-MWBGS	β -Glucan MW standard
P-BLDX	β -Limit Dextrin
P-CMC4M	Carboxymethyl Cellulose 4M
P-CHITN	Colloidal Chitin (Shrimp shells)
P-CURDL	Curdlan
P-CMCUR	CM-Curdlan
P-DEXT	Dextran
P-FOS28	Fructooligosaccharides (FOS)
P-GALLU	Galactan (lupin)
P-GALPOT	Galactan (potato)
P-GALML	Galactomannan (carob; low viscosity)
P-GALMH	Galactomannan (carob; high viscosity)
P-GGMMV	Galactomannan (guar; medium viscosity)
P-GGMHV	Galactomannan (guar; high viscosity)
P-GGM21	Galactomannan (guar; galactose depleted; 21% gal)
P-GLCML	Glucomannan (konjac; low viscosity)
P-GLCMH	Glucomannan (konjac; high viscosity)
P-LEVAN	Levan
P-INUL	Inulin
P-LICHN	Lichenan (icelandic moss)
P-MANIV	Mannan (ivory nut)
P-MANCB	Mannan (1,4- β -D-mannan)
P-PACHY	Pachyman (1,3- β -D-glucan)
P-CMPAC	CM-Pachyman
P-PGAPT	Pectic Galactan (potato)
P-PGACT	Polygalacturonic Acid (PGA)
P-PULLN	Pullulan
P-RHAM1	Rhamnogalacturonan I (potato)
P-XANTH	Xanthan Gum
P-RHAGN	Rhamnogalacturonan (soy bean)
P-XYLNBE	Xylan (Beechwood; purified)
P-XYGLN	Xyloglucan (tamarind)

Cat. No.	Product
REAGENT MIXTURES	
R-AMHR4	Amylase HR Reagent - 4 Vials
R-AMGR3	Amyloglucosidase Assay Reagent - 4 Vials
R-BAMR3	Betamyl-3; β -Amylase Assay Reagent - 4 Vials
R-CAAR4	Ceralpha; α -Amylase Reagent - 4 Vials
R-GLC4	Glucose Determination Reagent - 4 Vials
COFACTORS & STAINS	
C-ATP	Adenosine 5'-triphosphate
C-CLFR	Calcofluor Fluorescent Stain
C-COA500	Coenzyme A (trilithium salt) (500 mg)
C-NAD	β -Nicotinamide adenine di-nucleotide
C-NADP	β -Nicotinamide adenine di-nucleotide phosphate
C-NADH	β -Nicotinamide adenine di-nucleotide reduced salt
BUFFERS	
B-MES250	MES Monohydrate Buffer Salt
B-TRIS500	TRIS Buffer Salt
SOLUBLE CHROMOGENIC SUBSTRATES	
S-ABG100	Azo-Barley Glucan
S-ACGLM	Azo-Carob Galactomannan
S-ACMCL	Azo-CM-Cellulose (liquid)
S-ACMC	Azo-CM-Cellulose (powder)
S-AZFR5	Azo-Fructan
S-AZFRXOI	Azo-Fructan plus exo-Inulinase
S-AGALP	Azo-Galactan (potato)
S-AWAXL	Azo-Wheat Arabinoxylan (liquid)
S-AWAXP	Azo-Wheat Arabinoxylan (powder)
S-AXBL	Azo-Xylan (birchwood) (liquid)
S-AXBP	Azo-Xylan (birchwood) (powder)
S-AZXG	Azo-Xyloglucan (tamarind)
S-AZRH	AZ-Rhamnogalacturonan
S-RDAR	Red Debranched Arabinan (sugar beet)
S-RPUL	Red Pullulan
S-RSTAR	Red Starch
INSOLUBLE (CROSSLINKED) CHROMOGENIC SUBSTRATES	
I-AZAMY	AZCL-Amylose
I-AZDAR	AZCL-Arabinan (debranched)
I-AZCEL	AZCL-HE-Cellulose
I-AZXYG	AZCL-Xyloglucan (tamarind)
I-AAVIC	Azo-Avicel
I-AZBGL	AZCL-Barley β -Glucan
I-AZPAC	AZCL-Pachyman
I-AZCUR	AZCL-Curdlan
I-AZCHAN	AZCL-Chitosan
I-AZGLP	AZCL-Galactan (potato)
I-AZGMA	AZCL-Galactomannan (carob)
I-AZPUL	AZCL-Pullulan
I-AZDEX	AZCL-Dextran (No. B-512)
I-AZRH1	AZCL-Rhamnogalacturonan I
I-AZXBE	AZCL-Xylan (Beechwood)
I-AZWAX	AZCL-Arabinoxylan (wheat)
I-AZWAXF	AZCL-Arabinoxylan (Wheat) (fine)



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