

Analytical Enzymes

- Formate dehydrogenase
- Galactose dehydrogenase
- Hexokinase/Glucose-6-phosphate dehydrogenase
- Phosphoglucose isomerase
- Phosphomannose isomerase
- Phosphotransacetylase
- Protease Subtilisin A
- Succinyl-CoA synthetase (prokaryote)
- α -Amylase
- α -Amylase (Thermostable)
- α -Amylase (Porcine Pancreatic)
- β -Amylase (Barley)
- Amyloglucosidase
- Amyloglucosidase (Glycerol Free)
- Amyloglucosidase (Powder)
- α -L-Arabinofuranosidase
- Cellobiohydrolase I
- Cellulase (endo-1,4- β -D-glucanase)
- Chitinase
- Feruloyl esterase
- Fructanase Mixture (Liquid, Powder)
- α -Fucosidase
- α -Galactosidase
- β -Galactosidase
- endo-1,3(4)- β -D-Glucanase
- endo-1,3- β -D-Glucanase (barley)
- exo-1,3- β -D-Glucanase
- exo-1,3- β -D-Glucanase + β -Glucosidase
- α -Glucosidase
- α -Glucosidase (yeast maltase)
- β -Glucosidase
- β -Glucuronidase
- exo-Inulinase
- Isoamylase (Glycogen 6-glucanohydrolase)
- Lichenase (endo-1,3:1,4- β -D-Glucanase)
- endo-1,4 β -Mannanase
- Pectate Lyase
- endo-Polygalacturonanase
- Pullulanase M2 (Bacillus licheniformis)
- Pullulanase M1 (Klebsiella planticola)
- Sucrase (from yeast)
- Sucrase plus β -Galactosidase
- endo-1,4- β -Xylanase
- Xyloglucanase (GH5)
- β -D-Xylosidase
- α -Rhamnosidase (prokaryote)



analytical enzymes

Carbohydrates

Oligosaccharides

- 1,5- α -L-Arabinooligosaccharides
- Arabinoxylooligosaccharides
- Cellobiosaccharides
- Chitooligosaccharides
- 1,3:1,4- β -D-Glucooligosaccharides
- Fructooligosaccharides
- 1,2- β -D-Glucooligosaccharides
- 1,3- β -D-Glucooligosaccharides
- 1,3- α -D-Glucooligosaccharides
- Isomaltooligosaccharides
- Maltoligosaccharides
- 1,4- β -D-Mannooligosaccharides
- Oligogalacturonides
- 1,4- β -D-Xylooligosaccharides
- N-Acetyl-Chitooligosaccharides



oligo

Polysaccharides

- Amylose (potato)
- Arabinan (Sugar Beet)
- Arabinoxylan (Rye/Wheat Flour)
- CM-Curdlan
- Galactan (Potato)
- Galactomannan (Carob)
- 1,2- β -Glucan
- β -Glucan (Barley/Oat/Yeast)
- β -Glucan CFA Standard
- β -Glucan MW Standards
- Glycogen (Algae)
- Glucomannan (Konjac)
- Levan
- Lichenan (Icelandic Moss)
- β -Limit Dextrin
- Mannan (Ivory Nut)
- Mannan (1,4- β -D-Mannan)
- Rhamnogalacturonan I (Potato)
- Rhamnogalacturonan (Soy Bean)
- Xylan (Beechwood)
- Xyloglucan (Tamarind)



poly

Enzyme Substrates

Enzyme Tablet Test

Contain insoluble chromogenic substrates in tablet form for quantitative enzyme activity assays:

- Amylzyme Tablets (α -amylase activity)
- Amylzyme HY Tablets (diastase activity)
- Arabinzyme Tablets (endo-Arabinanase)
- Cellzyme C Tablets (endo-Cellulase)
- Cellzyme T Tablets (endo-Cellulase, Xyloglucanase activity)
- β -Gluczyme Tablets (endo-Cellulase, β -Glucanase/Lichenase)
- α -Dextrzyme Tablets (endo-Dextranase)
- Limit-Dextrzyme Tablets (Isoamylase, Isopullulanase, Neopullulanase, Pullulanase/ Limit-Dextrinase)
- Mannzyme Tablets (endo-1,4- β -Mannanase)
- Protzyme AK Tablets (Protease activity)
- Xylzyme Tablets (endo-1,4- β -Xylanase)
- Xylzyme AX Tablets endo-1,4- β -Xylanase)



tablet

Dyed Polysaccharide Substrate

Used for the quantitative assays of enzyme preparations and for qualitative detection and identification of specific enzyme activities with zymogram and agar plate-based screening methods:

- AZCL-HE-Cellulose
- Azo-Barley Glucan
- Azo-Carob Galactomannan
- Azocasein
- Azo-CM-Cellulose
- Azo-Wheat Arabinoxylan
- Azo-Xylan (Birchwood)
- Red Pullulan
- Red Starch



dyed

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Dietary Fiber Measurement

Discover Megazyme's bestselling range for total dietary measurement

Prosky/Lee Methods (AOAC 985.29/991.43)

Assay Kit	Product Name	Content
K-TDFR	Total Dietary Fiber	100 / 200 assays
	For the analysis of Total, Soluble and Insoluble	

Enzymes supplied		Required reagents (not supplied)
E-BLAAM	Thermostable α -amylase	Celite
E-BSPRT	Protease	MES monohydrate Buffer Salt
E-AMGDF	Amyloglucosidase	TRIS Buffer Salt
		Total Dietary Fiber Controls

McCleary Method (AOAC 2009.01/2011.25)

Assay Kit	Product Name	Content
K-INTDF	Integrated Total Dietary Fiber	100 assays
	For the analysis of Integrated Total Dietary Fiber	

Enzymes supplied		Required reagents (not supplied)
E-PANAA	Pancreatic α -amylase	Celite
E-AMGDF	Amyloglucosidase	Ambersep 200 H+ Ion Exchange Resin
E-BSPRT	Protease	Amberlite FPA OH- Ion Exchange Resin
	LC Retention Time Standard	
	D-Sorbitol	

AOAC 2017.16/2022.01

Assay Kit	Product Name	Content
K-RINTDF	Rapid Integrated Total Dietary Fiber	100 assays
	For the analysis of total dietary fiber in all foods	

Enzymes supplied		Required reagents (not supplied)
	PAA + AMG	Celite
	Protease	Ambersep 200 H+ Ion Exchange Resin
	LC Retention Time Standard	Amberlite FPA OH- Ion Exchange Resin
	Glycerol standard solution	
	D-Glucose/Glycerol standard solution	

β -Glucan Measurement

A complete toolkits are suitable for the measurement and analysis of Beta-Glucan

Novel method

Assay Kit	Product Name	Content
K-YBGL	β -Glucan Assay Kit (Yeast and Mushroom)	100 assays
	For the indirect measurement of 1,3,1,6- β -glucan	

AOAC 992.28/995.16

Assay Kit	Product Name	Content
K-BGLU	β -Glucan Assay Kit (Mixed Linkage)	100 assays
	For the measurement of 1,3,1,4- β -D-glucan	



Assay Kit

Starch/Polysaccharides

- Amylose/Amylopectin Assay Kit
- Available Carbohydrates Assay Kit
- Available Carbohydrates/Dietary Fiber Assay Kit
- Digestible and Resistant Starch Assay Kit
- Fructan Assay Kit
- Fructan HK Assay Kit
- Galactomannan Assay Kit
- Glucomannan Assay Kit
- Pectin Identification Assay Kit
- Resistant Starch Assay Kit
- Resistant Starch Assay Kit (Rapid)
- Starch Damage Assay Kit
- Total Starch Assay Kit (AA/AMG)
- Total Starch HK Assay Kit



Sugar (Mono-/Disaccharides)

- D-Fructose/D-Glucose Assay Kit
- D-Gluconic Acid/D-Glucono- δ -lactone Assay Kit
- D-Glucosamine Assay Kit
- D-Glucose Assay Kit (GOPOD Format)
- D-Glucose HK Assay Kit
- D-Glucuronic/D-Galacturonic Acid Assay Kit
- D-Mannose/D-Fructose/D-Glucose Assay kit
- D-Xylose Assay Kit
- L-Arabinose/D-Galactose Assay Kit
- L-Fucose Assay Kit
- L-Rhamnose Assay Kit
- Lactose Assay Kit
- Lactose/Galactose Assay Kit
- Lactulose Assay Kit
- Maltose/Sucrose/D-Glucose Assay Kit
- Raffinose/D-Galactose Assay Kit
- Raffinose/Sucrose/D-Glucose Assay Kit
- Sucrose/D-Fructose/D-Glucose Assay Kit
- Sucrose/D-Glucose Assay Kit
- Trehalose Assay Kit



Sulfite/Nitrogen

- Ammonia Assay Kit
- L-Arginine/Urea/Ammonia Assay Kit
- Primary Amino Nitrogen Assay Kit (PANOPA)
- Total and Free Sulfite Assay Kit urea
- Total Sulfite Assay Kit
- Urea/Ammonia Assay Kit



Organic Acid

- Acetic Acid Assay Kit
- Ascorbic Acid Assay Kit (L-Ascorbate)
- Citric Acid Assay Kit
- D-/L-Lactic Acid (D-/L-Lactate) Assay Kit
- D-3-Hydroxybutyric Acid (β -Hydroxybutyrate) Assay Kit
- D-Isocitric Acid Assay Kit
- D-Lactic Acid (D-Lactate) Assay Kit
- Formic Acid Assay Kit
- L-Glutamic Acid Assay Kit
- L-Lactic Acid (L-Lactate) Assay Kit
- L-Malic Acid Assay Kit
- Phytic Acid Assay Kit
- Pyruvic Acid Assay Kit
- Succinic Acid Assay Kit
- Tartaric Acid Assay Kit



Enzyme Activity

- α -Amylase Assay Kit (Ceralpha Method)
- α -Amylase SD Assay Kit
- β -Amylase Assay Kit (Betamyl-3)
- Catalase Assay Kit
- Cellulase Assay Kit (CellG5 Method)
- Malt β -Glucanase/Lichenase Assay Kit
- β -Glucanase Assay Kit (Malt and Microbial)
- Glucose Oxidase Assay Kit
- Malt Amylase Assay Kit
- Phytase Assay Kit
- Pullulanase/Limit-Dextrinase Assay Kit (PullG6)
- Xylanase Assay Kit (Xylazyme AX)
- Xylanase Assay Kit (XylX6 Method)



Alcohols

- Ethanol Assay Kit
- Glycerol Assay Kit
- D-Mannitol Assay Kit
- myo-Inositol Assay Kit
- D-Sorbitol/Xylitol Assay Kit



Others

- Acetaldehyde Assay Kit
- L-Asparagine/L-Glutamine/Ammonia Assay Kit
- Carrez Clarification Kit
- Formaldehyde Assay Kit
- Protein Digestibility Assay Kit
- Phosphate Assay Kit



Validated Methods



Chemicals

- Acetic Acid Standard Solution
- Ammonia Standard Solution (0.1 g/L)
- Citric Acid Standard Solution
- D-Lactic Acid Standard Solution
- D-Fructose Standard Solution (6 g/L)
- D-Glucose Standard Solution (6 g/L)
- Ethanol Standard Solution (0.3 g/L)
- L-Lactic Acid Standard Solution
- L-Malic Acid Standard Solution
- Isoleucine Standard Solution
- L-Tartaric Acid Standard Solution
- MES monohydrate Buffer Salt
- TRIS Buffer Salt
- Amberlite FPA OH- Ion Exchange Resin
- Ambersep 200 H+ Ion Exchange Resin
- Celite
- Concanavalin A (Con A)

