

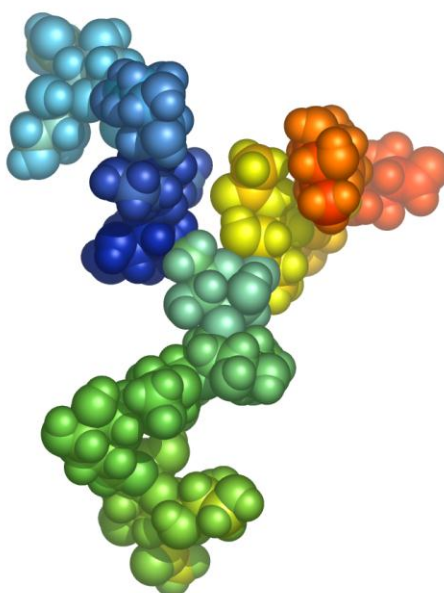


Ludger

## Glycoprofiling Products Price List

2012

US Dollars



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### Endoglycosidases and Deglycosylation Kits

Cat. No.	Item	Size	\$
E-PNG01	PNGase F (Peptide N Glycosidase F)	0.3 Unit / 60 µl	562
E-PNG05	PNGase F (Peptide N Glycosidase F)	1 Unit / 200 µl	1,637
E-EF01	Endoglycosidase F1	1 Unit / 60 µl	586
E-EF02	Endoglycosidase F2	0.3 Unit / 60 µl	586
E-EF03	Endoglycosidase F3	0.33 Unit / 60 µl	586
E-EH02	Endoglycosidase H	0.3 Unit / 60 µl	586
E-G001	O-glycosidase	75 mUnit / 60 µl	598
E-XBG01	Endo-Beta-Galactosidase	0.9 Unit / 60 µl	598
KE-DG01	Enzymatic CarboRelease Kit		637
KE-DGMX	Enzymatic DeGlycoMx Kit		354

### Ludger Liberate™ Glycan Release Kits

Cat. No.	Item	Size	\$
LL-HYDRAZ-A2	Ludger Liberate Hydrazinolysis Kit	2 Reaction Sets	1,319
LL-ORELA-A2	Ludger Liberate Orela Kit	2 Reaction Sets	783
LL-MR-A2	Ludger Liberate Membrane Release kit	Contains a 96-well plate	745

### LudgerTag™ Glycan Labeling Kits

Cat. No.	Item	Size	\$
LT-KAB-A2	2-AB Glycan Labeling Kit	2 Reaction Sets	448
LT-KAA-A2	2-AA Glycan Labeling Kit	2 Reaction Sets	448
LT-KAAAC-A2	AA-Ac Glycan Labeling Kit	2 Reaction Sets	539
LT-KAP-A2	2-AP Glycan Labeling Kit	2 Reaction Sets	448
LT-KDMB-A1	DMB Sialic Acid Labeling Kit	1 Reaction Set	562
LT-MONO-96	Monosaccharide Release & Labeling Kit	2 Reaction Sets	1,032

**LudgerClean™ Glycan Purification Systems**

Cat. No.	Item	Size	\$
LC-EB10-A6	LudgerClean EB10 Cartridges	6 cartridges	246
LC-S-A6	LudgerClean S Cartridges	6 cartridges	204
LC-D1-30-A6	LudgerClean D1 Cartridges	6 cartridges	104
LC-T1-A6	LudgerClean T1 Cartridges	6 cartridges	204*
LC-PBM-96	LudgerClean Protein Binding Membrane Plate	1 x 96-well plate	208

•discounts apply when ordering multiple packs of T1 cartridges. Please enquire for details

**Ludger-Velocity 96-well Vacuum Manifold System**

Cat. No.	Item	Quantity	\$
LC-VAC-MANIFOLD-KIT	Vacuum manifold in 96 plate format	1	1978
LC-VAC-TRAP-KIT	Vacuum trap kit	1	731
LP-COLLPLATE-2ML-96	Collection Plate Pack	5 per pack	286
LP-COLLPLATE-LID-96	Collection Plate Lid Pack	5 per pack	314
LP-HOLDER-96	Cartridge Holder	1	455
LP-PLUG-96	Plug pack	12 strips of 8 plugs	103

**LudgerSep™ Glycan HPLC Columns**

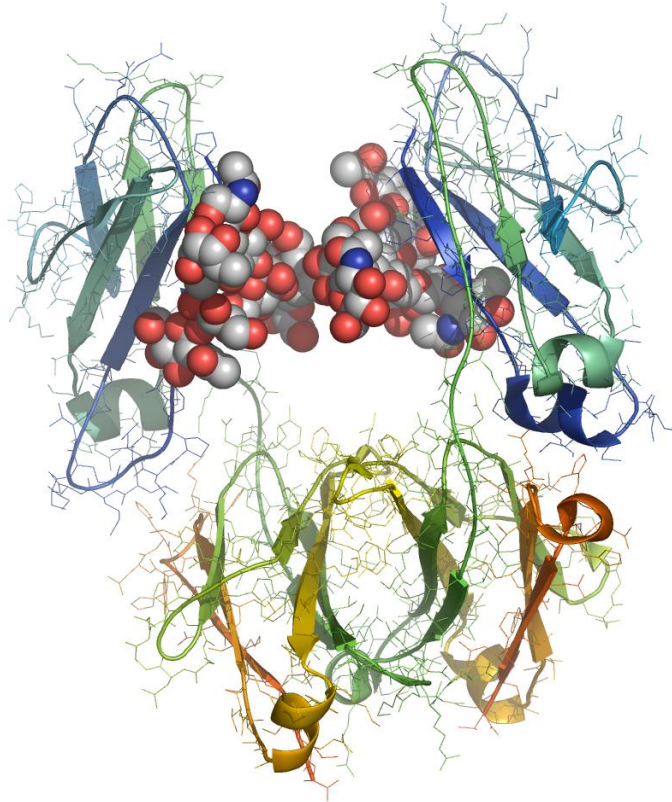
Cat. No.	Item	Size	\$
LS-N1-4.6x250	LudgerSep N1 HPLC Column	4.6 x 250 mm, 5 µm	2,819
LS-N1-4.6x10	LudgerSep N1 Guard Column	4.6 x 10 mm	1,032
LS-N2-4.6x150	LudgerSep N2 HPLC Column	4.6 x 150mm, 3 µm	2,705
LS-N2-2.0x150	LudgerSep N2 HPLC Column	2.0 x 150 mm, 3 µm	2,705
LS-C2-4.6x50	LudgerSep C2 HPLC Column	4.6 x 50 mm	1,763
LS-C2-4.6x150	LudgerSep C2 HPLC Column	4.6 x 150 mm	2,452
LS-C3-7.5x75	LudgerSep C3 HPLC Column	7.5 x 75 mm	3,225
LS-R1-4.6x150	LudgerSep R1 HPLC Column	4.6 x 150 mm	1,290
LS-R2-4.6x150	LudgerSep R2 HPLC Column	4.6 x 150 mm	1,290
LS-UR2-2.1x50	LudgerSep uR2 UHPLC Column - monosaccharide	2.1 x 50 mm	1,290
LS-UR2-2.1x100	LudgerSep uR2 UHPLC Column – sialic acids	2.1 x 100 mm	1,290
LS-N-BUFFX40	LudgerSep Ammonium Formate Buffer, pH 4.4	50ml	185.50

**Glycoprotein Standards and Glycan Libraries**

Cat. No.	Item	Size	\$
GCP-FET-05	Fetuin glycoprotein standard	500 µg	64
GCP-FET-250U	Fetuin glycoprotein standard	250 µg	43
GCP-FET-100U-X4	Fetuin glycoprotein standard	4 x 100 µg	129
GCP-FET-50U-X4	Fetuin glycoprotein standard	4 x 50 µg	120.40
CLIBN-FETUIN-01	Fetuin N glycan library	25 µg	323
CLIBO-FETUIN-01	Fetuin O glycan library	from 30 µg fetuin	323
GCP-IGG-50U	IgG glycoprotein standard	50 µg	43
GCP-IGG-100U	IgG glycoprotein standard	100 µg	64
CLIBN-IGG-01	IgG N glycan library	25 µg	323
CAB-IGG-01	IgG N glycan library, 2AB-labelled	200 pmol	409
SA-MAB4	MAB 4 Glycan Reference Panel	10 µg	577
SA-CORE1	Galactose-β-(1-3)-GalNAc Glycan, O-linked	20 µg	464

## 2-AB Labeled Glycans

Cat. No.	Item	Oxford Notation	Size	\$
CAB-ALPHAGAL-01	Gal alpha 1-3 Gal beta 1-4 GlcNAc, 2AB Labeled		100 pmol	237
<b>A4 Family Glycans</b>				
CAB-NA4-01	NA4 Glycan, 2-AB Labeled	A4G4	100 pmol	163
CAB-NGA4-01	NGA4 Glycan, 2-AB Labeled	A4	100 pmol	163
<b>A3 Family Glycans</b>				
CAB-A3-01	A3 Glycan, 2-AB Labeled	A3G3S3	100 pmol	163
CAB-NA3-01	NA3 Glycan, 2-AB Labeled	A3G3	100 pmol	163
CAB-NGA3-01	NGA3 Glycan, 2-AB Labeled	A3	100 pmol	163
<b>A2F Family Glycans</b>				
CAB-NA2F-01	NA2F Glycan, 2-AB Labeled	FA2G2	100 pmol	163
CAB-A2F-01	A2F Glycan, 2-AB Labeled	FA2G2S2	100 pmol	163
CAB-A1F-01	A1F Glycan, 2-AB Labeled	FA2G2S1	100 pmol	163
CAB-NGA2F-01	NGA2F Glycan, 2-AB Labeled	FA2	100 pmol	163
CAB-FA2G1-01	G1F Glycan, 2-AB Labeled	FA2G1	100 pmol	194
CAB-FA2B-01	FA2B, 2AB Labeled	FA2B	100 pmol	237
CAB-FA2BG1-01	FA2BG1, 2AB Labeled	FA2BG1	100 pmol	237
<b>A2 Family Glycans</b>				
CAB-A2-01	A2 Glycan, 2-AB Labeled	A2G2S2	100 pmol	163
CAB-A1-01	A1 Glycan, 2-AB Labeled	A2G2S1	100 pmol	163
CAB-NA2-01	NA2 Glycan, 2-AB Labeled	A2G2	100 pmol	163
CAB-NGA2-01	NGA2 Glycan, 2-AB Labeled	A2	100 pmol	163
CAB-M3N2-01	M3N2 (Man-3) Glycan, 2-AB Labeled	M3	100 pmol	163
CAB-A2G1-01	A2G1 Glycan, 2AB Labeled	A2G1	100 pmol	237
<b>Oligomannose Glycans</b>				
CAB-MAN9-01	Man-9 Glycan, 2-AB Labeled	M9	100 pmol	163
CAB-MAN8-01	Man-8 Glycan, 2-AB Labeled	M8	100 pmol	163
CAB-MAN7-01	Man-7 Glycan, 2-AB Labeled	M7	100 pmol	163
CAB-MAN6-01	Man-6 Glycan, 2-AB Labeled	M6	100 pmol	163
CAB-MAN5-01	Man-5 Glycan, 2-AB Labeled	M5	100 pmol	163
<b>Hybrid Family Glycans</b>				
CAB-HYBRID-01	Hybrid Glycan, 2-AB Labeled	M5A1B	100 pmol	163
<b>HPLC Calibration Standard</b>				
CAB-GHP-30	2-AB Glucose Homopolymer Ladder		30 runs	190



## 2-AA Labeled Glycans

Cat. No.	Item	Oxford Notation	Size	\$
CAA-ALPHAGAL-01	Gal alpha 1-3 Gal beta 1-4 GlcNAc, 2AA Labeled		100 pmol	237
<b>A4 Family Glycans</b>				
CAA-NA4-01	NA4 Glycan, 2-AA Labeled	A4G4	100 pmol	163
CAA-NGA4-01	NGA4 Glycan, 2-AA Labeled	A4	100 pmol	163
<b>A3 Family Glycans</b>				
CAA-A3-01	A3 Glycan, 2-AA Labeled	A3G3S3	100 pmol	163
CAA-NA3-01	NA3 Glycan, 2-AA Labeled	A3G3	100 pmol	163
CAA-NGA3-01	NGA3 Glycan, 2-AA Labeled	A3	100 pmol	163
<b>A2F Family Glycans</b>				
CAA-A2F-01	A2F Glycan, 2-AA Labeled	FA2G2S2	100 pmol	163
CAA-A1F-01	A1F Glycan, 2-AA Labeled	FA2G2S1	100 pmol	163
CAA-NA2F-01	NA2F Glycan, 2-AA Labeled	FA2G2	100 pmol	163
CAA-NGA2F-01	NGA2F Glycan, 2-AA Labeled	FA2	100 pmol	163
CAA-FA2G1-01	G1F Glycan, 2-AA Labeled	FA2G1	100 pmol	194
CAA-FA2B-01	FA2B, 2AA Labeled	FA2B	100 pmol	237
CAA-FA2BG1-01	FA2BG1, 2AA Labeled	FA2BG1	100 pmol	237
<b>A2 Family Glycans</b>				
CAA-A2-01	A2 Glycan, 2-AA Labeled	A2G2S2	100 pmol	163
CAA-A1-01	A1 Glycan, 2-AA Labeled	A2G2S1	100 pmol	163
CAA-NA2-01	NA2 Glycan, 2-AA Labeled	A2G2	100 pmol	163
CAA-NGA2-01	NGA2 Glycan, 2-AA Labeled	A2	100 pmol	163
CAA-M3N2-01	M3N2 (Man-3) Glycan, 2-AA Labeled	M3	100 pmol	163
CAA-A2G1-01	A2G1 Glycan, 2AA Labeled	A2G1	100 pmol	237
<b>Oligomannose Glycans</b>				
CAA-MAN9-01	Man-9 Glycan, 2-AA Labeled	M9	100 pmol	163
CAA-MAN8-01	Man-8 Glycan, 2-AA Labeled	M8	100 pmol	163
CAA-MAN7-01	Man-7 Glycan, 2-AA Labeled	M7	100 pmol	163
CAA-MAN6-01	Man-6 Glycan, 2-AA Labeled	M6	100 pmol	163
CAA-MAN5-01	Man-5 Glycan, 2-AA Labeled	M5	100 pmol	163
<b>Hybrid Family Glycans</b>				
CAA-HYBRID-01	Hybrid Glycan, 2-AA Labeled	M5A1B	100 pmol	163
<b>HPLC Calibration Standard</b>				
CAA-GHP-30	2-AA Glucose Homopolymer Ladder		30 runs	190

<b>N-Glycans</b>				
<b>Cat. No.</b>	<b>Item</b>	<b>Oxford Notation</b>	<b>Size</b>	<b>\$</b>
<b>A4 Family Glycans</b>				
CN-NA4-20U	NA4 Glycan	A4G4	20 µg	476
<a href="#">CN-NA4-10U</a>	<a href="#">NA4 Glycan</a>	A4G4	<a href="#">10 µg</a>	<a href="#">333</a>
CN-NGA4-20U	NGA4 Glycan	A4	20 µg	495
<a href="#">CN-NGA4-10U</a>	<a href="#">NGA4 Glycan</a>	A4	<a href="#">10 µg</a>	<a href="#">347</a>
<b>A3 Family Glycans</b>				
CN-A3-20U	A3 Glycan	A3G3S3	20 µg	348
<a href="#">CN-A3-10U</a>	<a href="#">A3 Glycan</a>	A3G3S3	<a href="#">10 µg</a>	<a href="#">244</a>
CN-NA3-20U	NA3 Glycan	A3G3	20 µg	365
<a href="#">CN-NA3-10U</a>	<a href="#">NA3 Glycan</a>	A3G3	<a href="#">10 µg</a>	<a href="#">256</a>
CN-NGA3-20U	NGA3 Glycan	A3	20 µg	406
<a href="#">CN-NGA3-10U</a>	<a href="#">NGA3 Glycan</a>	A3	<a href="#">10 µg</a>	<a href="#">284</a>
<b>A2F Family Glycans</b>				
CN-NA2F-20U	NA2F Glycan	FA2G2	20 µg	546
<a href="#">CN-NA2F-10U</a>	<a href="#">NA2F Glycan</a>	FA2G2	<a href="#">10 µg</a>	<a href="#">382</a>
CN-A2F-20U	A2F Glycan	FA2G2S2	20 µg	527
<a href="#">CN-A2F-10U</a>	<a href="#">A2F Glycan</a>	FA2G2S2	<a href="#">10 µg</a>	<a href="#">369</a>
CN-A1F-20U	A1F Glycan	FA2G2S1	20 µg	527
<a href="#">CN-A1F-10U</a>	<a href="#">A1F Glycan</a>	FA2G2S1	<a href="#">10 µg</a>	<a href="#">369</a>
CN-NGA2F-20U	NGA2F Glycan	FA2	20 µg	641
<a href="#">CN-NGA2F-10U</a>	<a href="#">NGA2F Glycan</a>	FA2	<a href="#">10 µg</a>	<a href="#">449</a>
CN-FA2G1-20U	G1F Glycan	FA2G1	20 µg	546
<a href="#">CN-FA2G1-10U</a>	<a href="#">G1F Glycan</a>	FA2G1	<a href="#">10 µg</a>	<a href="#">382</a>
<b>A2 Family Glycans</b>				
CN-A2-20U	A2 Glycan	A2G2S2	20 µg	527
<a href="#">CN-A2-10U</a>	<a href="#">A2 Glycan</a>	A2G2S2	<a href="#">10 µg</a>	<a href="#">369</a>
CN-A1-20U	A1 Glycan	A2G2S1	20 µg	527
<a href="#">CN-A1-10U</a>	<a href="#">A1 Glycan</a>	A2G2S1	<a href="#">10 µg</a>	<a href="#">369</a>

<b>N-Glycans (continued)</b>				
<b>Cat. No.</b>	<b>Item</b>	<b>Oxford Notation</b>	<b>Size</b>	<b>\$</b>
CN-NA2-20U	NA2 Glycan	A2G2	20 µg	323
<a href="#">CN-NA2-10U</a>	<a href="#">NA2 Glycan</a>	A2G2	<a href="#">10 µg</a>	<a href="#">226</a>
CN-NGA2-20U	NGA2 Glycan	A2	20 µg	488
<a href="#">CN-NGA2-10U</a>	<a href="#">NGA2 Glycan</a>	A2	<a href="#">10 µg</a>	<a href="#">342</a>
CN-M3N2-20U	M3N2 (Man-3) Glycan	M3	20 µg	434
<a href="#">CN-M3N2-10U</a>	<a href="#">M3N2 (Man-3) Glycan</a>	M3	<a href="#">10 µg</a>	<a href="#">304</a>
CN-A2G1-20U	A2G1 Glycan	A2G1	20 µg	546
<b>Oligomannose Glycans</b>				
CN-MAN9-20U	Man-9 Glycan	M9	20 µg	397
<a href="#">CN-MAN9-10U</a>	<a href="#">Man-9 Glycan</a>	<a href="#">M9</a>	<a href="#">10 µg</a>	<a href="#">278</a>
CN-MAN8-20U	Man-8 Glycan	M8	20 µg	495
<a href="#">CN-MAN8-10U</a>	<a href="#">Man-8 Glycan</a>	<a href="#">M8</a>	<a href="#">10 µg</a>	<a href="#">347</a>
CN-MAN7-20U	Man-7 Glycan	M7	20 µg	495
<a href="#">CN-MAN7-10U</a>	<a href="#">Man-7 Glycan</a>	<a href="#">M7</a>	<a href="#">10 µg</a>	<a href="#">347</a>
CN-MAN6-20U	Man-6 Glycan	M6	20 µg	358
<a href="#">CN-MAN6-10U</a>	<a href="#">Man-6 Glycan</a>	<a href="#">M6</a>	<a href="#">10 µg</a>	<a href="#">251</a>
CN-MAN5-20U	Man-5 Glycan	M5	20 µg	358
<a href="#">CN-MAN5-10U</a>	<a href="#">Man-5 Glycan</a>	<a href="#">M5</a>	<a href="#">10 µg</a>	<a href="#">251</a>
<b>Hybrid Family Glycans</b>				
CN-HYBRID-20U	Hybrid Glycan	M5A1B	20 µg	662
<a href="#">CN-HYBRID-10U</a>	<a href="#">Hybrid Glycan</a>	<a href="#">M5A1B</a>	<a href="#">10 µg</a>	<a href="#">463</a>

### Carbohydrate Monosaccharides

<b>Cat. No.</b>	<b>Item</b>	<b>Size</b>	<b>\$</b>
CM-NEU-AC-01	N-acetylneuraminic acid quantitative standard	1 nmol	63
CM-NEU-GC-01	N-glycolyneuraminic acid quantitative standard	1 nmol	63
CM-MONOMIX-10	Mix of six monosaccharide quantitative standards (glucosamine, galactosamine, galactose, mannose, glucose/dextrose and fucose )	10 nmol	648

Exoglycosidases			
Cat. No.	Item	Size	\$
E-AM01	Alpha-(1-2,3,6)-mannosidase	0.6 Unit / 60 µl	598
E-BG02	Beta-(1-3,4,6)-galactosidase	0.5 Unit / 200 µl	598
E-BG07	Beta-(1-4)-galactosidase	180 mUnit / 60 µl	598
E-F006	Alpha-(1-6)-Fucosidase	30 mUnit / 60 µl	598
E-F134	Alpha-(1-3,4)-fucosidase	30 mUnit / 60 µl	598
E-GL01	Beta-N-acetylglucosaminidase	2.4 Unit / 60 µl	598
E-S001	Sialidase Au Alpha-(2-3,6,8,9)	0.3 Unit / 60 µl	598

## Notes

- Prices are exclusive of VAT or any other applicable taxes.
- For LudgerTag 2-AB, 2-AA, AA-Ac and 2-AP kits, the two reaction sets in each kit are sufficient for labeling 12 to 36 analytical samples.
- For the LudgerTag DMB kit, a single reaction set is sufficient for labeling up to 22 analytical samples (including standards).
- The 20 µg packs of glycans may be supplied as either one vial of 20 µg or two 10 µg vials.
- For glycans, we have also provided the nomenclature as assigned by the Oxford Notation System (Harvey et al, 2009).
- The Fetuin O-glycan library (Cat No. CLIBO-FETUIN-01) is obtained following O-glycan release from 30 µg fetuin.
- All enzymes listed in this catalog are QABio products. QABio also supply **Enzymatic DeGlycoMx Kit** (Cat # KE-DGMX) Enzymatic CarboRelease Kit (Cat # KE-DG01), MAb 4 Glycan Reference Panel (Cat # SA-MAB4) and Galactose-β-(1-3)-GalNAc Glycan, O-linked (Cat # SA-CORE1 )
- Delivery Charges:  
From 1<sup>st</sup> March 2011 delivery charges will be as follows:  
USA = \$97.00  
Far East/Asia = \$97.00  
Australia = \$97.00

