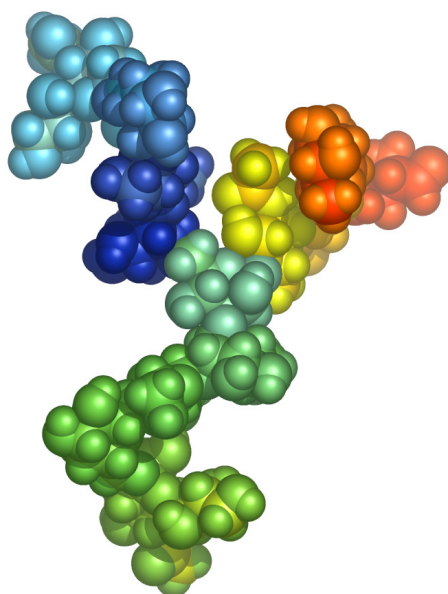


Ludger

## Glycoprofiling Products Price List

2012

Sterling



### Ludger Ltd

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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	261
E-PNG05	PNGase F (Peptide N Glycosidase F)	1 Unit / 200 µl	761
E-EF01	Endoglycosidase F1	1 Unit / 60 µl	273
E-EF02	Endoglycosidase F2	0.3 Unit / 60 µl	273
E-EF03	Endoglycosidase F3	0.33 Unit / 60 µl	273
E-EH02	Endoglycosidase H	0.3 Unit / 60 µl	273
E-G001	O-glycosidase	75 mUnit / 60 µl	278
E-XBG01	Endo-Beta-Galactosidase	0.9 Unit / 60 µl	278
KE-DG01	Enzymatic CarboRelease Kit		395
KE-DGMX	Enzymatic DeGlycoMx Kit		220

**Ludger Liberate™ Glycan Release Kits**

Cat. No.	Item	Size	£
LL-HYDRAZ-A2	Ludger Liberate Hydrazinolysis Kit	2 Reaction Sets	613
LL-ORELA-A2	Ludger Liberate Orela Kit	2 Reaction Sets	364

**LudgerTag™ Glycan Labeling Kits**

Cat. No.	Item	Size	£
LT-KAB-A2	2-AB Glycan Labeling Kit	2 Reaction Sets	208
LT-KAA-A2	2-AA Glycan Labeling Kit	2 Reaction Sets	208
LT-KAAAC-A2	AA-Ac Glycan Labeling Kit	2 Reaction Sets	251
LT-KAP-A2	2-AP Glycan Labeling Kit	2 Reaction Sets	208
LT-KDMB-A1	DMB Sialic Acid Labeling Kit	1 Reaction Set	261
LT-MONO-96	Monosaccharide Release & Labeling Kit	2 Reaction Sets	480

### LudgerClean™ Glycan Purification Systems

Cat. No.	Item	Size	£
LC-EB10-A6	LudgerClean EB10 Cartridges	6 cartridges	114
LC-S-A6	LudgerClean S Cartridges	6 cartridges	95
LC-D1-30-A6	LudgerClean D1 Cartridges	6 cartridges	49
LC-T1-A6	LudgerClean T1 Cartridges	6 cartridges	95*
LC-PBM-96	LudgerClean Protein Binding Membrane Plate	1 x 96-well plate	97

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

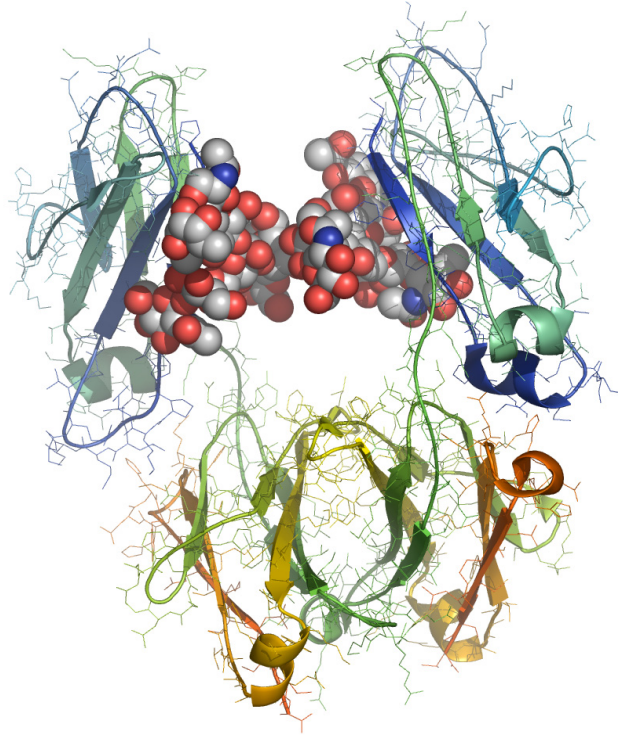
### Ludger-Velocity 96-well Vacuum Manifold System

Cat. No.	Item	Quantity	£
LC-VAC-MANIFOLD-KIT	Vacuum manifold in 96 plate format	1	920
LC-VAC-TRAP-KIT	Vacuum trap kit	1	340
LP-COLLPLATE-2ML-96	Collection Plate Pack	5 per pack	133
LP-COLLPLATE-LID-96	Collection Plate Lid Pack	5 per pack	146
LP-HOLDER-96	Cartridge Holder	1	211
LP-PLUG-96	Plug pack	12 strips of 8 plugs	48

<b>LudgerSep™ Glycan HPLC Columns</b>			
<b>Cat. No.</b>	<b>Item</b>	<b>Size</b>	<b>£</b>
LS-N1-4.6x250	LudgerSep N1 HPLC Column	4.6 x 250 mm, 5 µm	1,311
LS-N1-4.6x10	LudgerSep N1 Guard Column	4.6 x 10 mm	480
LS-N2-4.6x150	LudgerSep N2 HPLC Column	4.6 x 150mm, 3 µm	1,258
LS-N2-2.0x150	LudgerSep N2 HPLC Column	2.0 x 150 mm, 3 µm	1,258
LS-C2-4.6x50	LudgerSep C2 HPLC Column	4.6 x 50 mm	820
LS-C2-4.6x150	LudgerSep C2 HPLC Column	4.6 x 150 mm	1,140
LS-C3-7.5x75	LudgerSep C3 HPLC Column	7.5 x 75 mm	1,500
LS-R1-4.6x150	LudgerSep R1 HPLC Column	4.6 x 150 mm	600
LS-R2-4.6x150	LudgerSep R2 HPLC Column	4.6 x 150 mm	600
LS-UR2-2.1x50	LudgerSep uR2 UHPLC Column - monosaccharide	2.1 x 50 mm	600
LS-UR2-2.1x100	LudgerSep uR2 UHPLC Column – sialic acids	2.1 x 100 mm	600
LS-N-BUFFX40	LudgerSep Ammonium Formate Buffer, pH 4.4	50ml	86.50

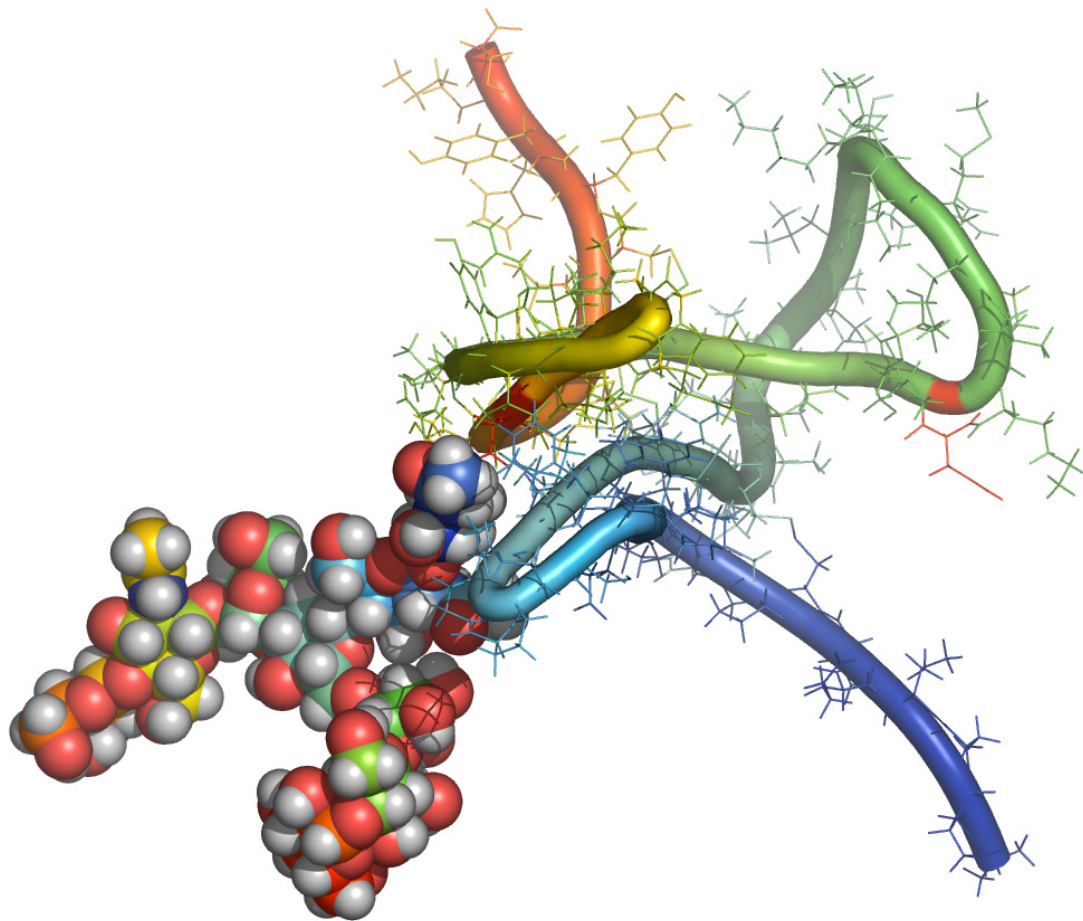
<b>Glycoprotein Standards and Glycan Libraries</b>			
<b>Cat. No.</b>	<b>Item</b>	<b>Size</b>	<b>£</b>
GCP-FET-05	Fetuin glycoprotein standard	500 µg	30
GCP-FET-250U	Fetuin glycoprotein standard	250 µg	20
GCP-FET-100U-X4	Fetuin glycoprotein standard	4 x 100 µg	60
GCP-FET-50U-X4	Fetuin glycoprotein standard	4 x 50 µg	56
CLIBN-FETUIN-01	Fetuin N glycan library	25 µg	150
CLIBO-FETUIN-01	Fetuin O glycan library	from 30 µg fetuin	150
GCP-IGG-50U	IgG glycoprotein standard	50 µg	20
GCP-IGG-100U	IgG glycoprotein standard	100 µg	30
CLIBN-IGG-01	IgG N glycan library	25 µg	150
CAB-IGG-01	IgG N glycan library, 2AB-labelled	200 pmol	190
SA-MAB4	MAB 4 Glycan Reference Panel	10 µg	358
SA-CORE1	Galactose-β-(1-3)-GalNAc Glycan, O-linked	20 µg	288

<b>2-AB Labeled Glycans</b>				
<b>Cat. No.</b>	<b>Item</b>	<b>Oxford Notation</b>	<b>Size</b>	<b>£</b>
CAB-ALPHAGAL-01	Gal alpha 1-3 Gal beta 1-4 GlcNAc, 2AB Labeled		100 pmol	110
<b>A4 Family Glycans</b>				
CAB-NA4-01	NA4 Glycan, 2-AB Labeled	A4G4	100 pmol	76
CAB-NGA4-01	NGA4 Glycan, 2-AB Labeled	A4	100 pmol	76
<b>A3 Family Glycans</b>				
CAB-A3-01	A3 Glycan, 2-AB Labeled	A3G3S3	100 pmol	76
CAB-NA3-01	NA3 Glycan, 2-AB Labeled	A3G3	100 pmol	76
CAB-NGA3-01	NGA3 Glycan, 2-AB Labeled	A3	100 pmol	76
<b>A2F Family Glycans</b>				
CAB-NA2F-01	NA2F Glycan, 2-AB Labeled	FA2G2	100 pmol	76
CAB-A2F-01	A2F Glycan, 2-AB Labeled	FA2G2S2	100 pmol	76
CAB-A1F-01	A1F Glycan, 2-AB Labeled	FA2G2S1	100 pmol	76
CAB-NGA2F-01	NGA2F Glycan, 2-AB Labeled	FA2	100 pmol	76
CAB-FA2G1-01	G1F Glycan, 2-AB Labeled	FA2G1	100 pmol	90
CAB-FA2B-01	FA2B, 2AB Labeled	FA2B	100 pmol	110
CAB-FA2BG1-01	FA2BG1, 2AB Labeled	FA2BG1	100 pmol	110
<b>A2 Family Glycans</b>				
CAB-A2-01	A2 Glycan, 2-AB Labeled	A2G2S2	100 pmol	76
CAB-A1-01	A1 Glycan, 2-AB Labeled	A2G2S1	100 pmol	76
CAB-NA2-01	NA2 Glycan, 2-AB Labeled	A2G2	100 pmol	76
CAB-NGA2-01	NGA2 Glycan, 2-AB Labeled	A2	100 pmol	76
CAB-M3N2-01	M3N2 (Man-3) Glycan, 2-AB Labeled	M3	100 pmol	76
CAB-A2G1-01	A2G1 Glycan, 2AB Labeled	A2G1	100 pmol	110
<b>Oligomannose Glycans</b>				
CAB-MAN9-01	Man-9 Glycan, 2-AB Labeled	M9	100 pmol	76
CAB-MAN8-01	Man-8 Glycan, 2-AB Labeled	M8	100 pmol	76
CAB-MAN7-01	Man-7 Glycan, 2-AB Labeled	M7	100 pmol	76
CAB-MAN6-01	Man-6 Glycan, 2-AB Labeled	M6	100 pmol	76
CAB-MAN5-01	Man-5 Glycan, 2-AB Labeled	M5	100 pmol	76
<b>Hybrid Family Glycans</b>				
CAB-HYBRID-01	Hybrid Glycan, 2-AB Labeled	M5A1B	100 pmol	76
<b>HPLC Calibration Standard</b>				
CAB-GHP-30	2-AB Glucose Homopolymer Ladder		30 runs	89



## 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	110
<b>A4 Family Glycans</b>				
CAA-NA4-01	NA4 Glycan, 2-AA Labeled	A4G4	100 pmol	76
CAA-NGA4-01	NGA4 Glycan, 2-AA Labeled	A4	100 pmol	76
<b>A3 Family Glycans</b>				
CAA-A3-01	A3 Glycan, 2-AA Labeled	A3G3S3	100 pmol	76
CAA-NA3-01	NA3 Glycan, 2-AA Labeled	A3G3	100 pmol	76
CAA-NGA3-01	NGA3 Glycan, 2-AA Labeled	A3	100 pmol	76
<b>A2F Family Glycans</b>				
CAA-A2F-01	A2F Glycan, 2-AA Labeled	FA2G2S2	100 pmol	76
CAA-A1F-01	A1F Glycan, 2-AA Labeled	FA2G2S1	100 pmol	76
CAA-NA2F-01	NA2F Glycan, 2-AA Labeled	FA2G2	100 pmol	76
CAA-NGA2F-01	NGA2F Glycan, 2-AA Labeled	FA2	100 pmol	76
CAA-FA2G1-01	G1F Glycan, 2-AA Labeled	FA2G1	100 pmol	90
CAA-FA2B-01	FA2B, 2AA Labeled	FA2B	100 pmol	110
CAA-FA2BG1-01	FA2BG1, 2AA Labeled	FA2BG1	100 pmol	110
<b>A2 Family Glycans</b>				
CAA-A2-01	A2 Glycan, 2-AA Labeled	A2G2S2	100 pmol	76
CAA-A1-01	A1 Glycan, 2-AA Labeled	A2G2S1	100 pmol	76
CAA-NA2-01	NA2 Glycan, 2-AA Labeled	A2G2	100 pmol	76
CAA-NGA2-01	NGA2 Glycan, 2-AA Labeled	A2	100 pmol	76
CAA-M3N2-01	M3N2 (Man-3) Glycan, 2-AA Labeled	M3	100 pmol	76
CAA-A2G1-01	A2G1 Glycan, 2AA Labeled	A2G1	100 pmol	110
<b>Oligomannose Glycans</b>				
CAA-MAN9-01	Man-9 Glycan, 2-AA Labeled	M9	100 pmol	76
CAA-MAN8-01	Man-8 Glycan, 2-AA Labeled	M8	100 pmol	76
CAA-MAN7-01	Man-7 Glycan, 2-AA Labeled	M7	100 pmol	76
CAA-MAN6-01	Man-6 Glycan, 2-AA Labeled	M6	100 pmol	76
CAA-MAN5-01	Man-5 Glycan, 2-AA Labeled	M5	100 pmol	76
<b>Hybrid Family Glycans</b>				
CAA-HYBRID-01	Hybrid Glycan, 2-AA Labeled	M5A1B	100 pmol	76
<b>HPLC Calibration Standard</b>				
CAA-GHP-30	2-AA Glucose Homopolymer Ladder		30 runs	89



<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	221
CN-NA4-10U	NA4 Glycan	A4G4	10 µg	155
CN-NGA4-20U	NGA4 Glycan	A4	20 µg	230
CN-NGA4-10U	NGA4 Glycan	A4	10 µg	161
<b>A3 Family Glycans</b>				
CN-A3-20U	A3 Glycan	A3G3S3	20 µg	162
CN-A3-10U	A3 Glycan	A3G3S3	10 µg	113
CN-NA3-20U	NA3 Glycan	A3G3	20 µg	170
CN-NA3-10U	NA3 Glycan	A3G3	10 µg	119
CN-NGA3-20U	NGA3 Glycan	A3	20 µg	189
CN-NGA3-10U	NGA3 Glycan	A3	10 µg	132
<b>A2F Family Glycans</b>				
CN-NA2F-20U	NA2F Glycan	FA2G2	20 µg	254
CN-NA2F-10U	NA2F Glycan	FA2G2	10 µg	178
CN-A2F-20U	A2F Glycan	FA2G2S2	20 µg	245
CN-A2F-10U	A2F Glycan	FA2G2S2	10 µg	172
CN-A1F-20U	A1F Glycan	FA2G2S1	20 µg	245
CN-A1F-10U	A1F Glycan	FA2G2S1	10 µg	172
CN-NGA2F-20U	NGA2F Glycan	FA2	20 µg	298
CN-NGA2F-10U	NGA2F Glycan	FA2	10 µg	209
CN-FA2G1-20U	G1F Glycan	FA2G1	20 µg	254
CN-FA2G1-10U	G1F Glycan	FA2G1	10 µg	178
<b>A2 Family Glycans</b>				
CN-A2-20U	A2 Glycan	A2G2S2	20 µg	245
CN-A2-10U	A2 Glycan	A2G2S2	10 µg	172
CN-A1-20U	A1 Glycan	A2G2S1	20 µg	245
CN-A1-10U	A1 Glycan	A2G2S1	10 µg	172
CN-NA2-20U	NA2 Glycan	A2G2	20 µg	150
CN-NA2-10U	NA2 Glycan	A2G2	10 µg	105

<b>N-Glycans</b> (continued)				
<b>Cat. No.</b>	<b>Item</b>	<b>Oxford Notation</b>	<b>Size</b>	<b>£</b>
CN-NGA2-20U	NGA2 Glycan	A2	20 µg	227
<a href="#">CN-NGA2-10U</a>	<a href="#">NGA2 Glycan</a>	A2	<a href="#">10 µg</a>	<a href="#">159</a>
CN-M3N2-20U	M3N2 (Man-3) Glycan	M3	20 µg	202
<a href="#">CN-M3N2-10U</a>	<a href="#">M3N2 (Man-3) Glycan</a>	M3	<a href="#">10 µg</a>	<a href="#">141</a>
CN-A2G1-20U	A2G1 Glycan	A2G1	20 µg	254
<b>Oligomannose Glycans</b>				
CN-MAN9-20U	Man-9 Glycan	M9	20 µg	185
<a href="#">CN-MAN9-10U</a>	<a href="#">Man-9 Glycan</a>	<a href="#">M9</a>	<a href="#">10 µg</a>	<a href="#">130</a>
CN-MAN8-20U	Man-8 Glycan	M8	20 µg	230
<a href="#">CN-MAN8-10U</a>	<a href="#">Man-8 Glycan</a>	<a href="#">M8</a>	<a href="#">10 µg</a>	<a href="#">161</a>
CN-MAN7-20U	Man-7 Glycan	M7	20 µg	230
<a href="#">CN-MAN7-10U</a>	<a href="#">Man-7 Glycan</a>	<a href="#">M7</a>	<a href="#">10 µg</a>	<a href="#">161</a>
CN-MAN6-20U	Man-6 Glycan	M6	20 µg	166
<a href="#">CN-MAN6-10U</a>	<a href="#">Man-6 Glycan</a>	<a href="#">M6</a>	<a href="#">10 µg</a>	<a href="#">116</a>
CN-MAN5-20U	Man-5 Glycan	M5	20 µg	166
<a href="#">CN-MAN5-10U</a>	<a href="#">Man-5 Glycan</a>	<a href="#">M5</a>	<a href="#">10 µg</a>	<a href="#">116</a>
<b>Hybrid Family Glycans</b>				
CN-HYBRID-20U	Hybrid Glycan	M5A1B	20 µg	308
<a href="#">CN-HYBRID-10U</a>	<a href="#">Hybrid Glycan</a>	<a href="#">M5A1B</a>	<a href="#">10 µg</a>	<a href="#">216</a>

<b>Carbohydrate Monosaccharides</b>				
<b>Cat. No.</b>	<b>Item</b>		<b>Size</b>	<b>£</b>
CM-NEU-AC-01	N-acetylneuraminic acid quantitative standard		1 nmol	30
CM-NEU-GC-01	N-glycolyneuraminic acid quantitative standard		1 nmol	30
CM-MONOMIX-10	Mix of six monosaccharide quantitative standards (glucosamine, galactosamine, galactose, mannose, glucose/dextrose and fucose )		10 nmol	301

Exoglycosidases			
Cat. No.	Item	Size	£
E-AM01	Alpha-(1-2,3,6)-mannosidase	0.6 Unit / 60 µl	278
E-BG02	Beta-(1-3,4,6)-galactosidase	0.5 Unit / 200 µl	278
E-BG07	Beta-(1-4)-galactosidase	180 mUnit / 60 µl	278
E-F006	Alpha-(1-6)-Fucosidase	30 mUnit / 60 µl	278
E-F134	Alpha-(1-3,4)-fucosidase	30 mUnit / 60 µl	278
E-GL01	Beta-N-acetylglucosaminidase	2.4 Unit / 60 µl	278
E-S001	Sialidase Au Alpha-(2-3,6,8,9)	0.3 Unit / 60 µl	278

## 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:  
 UK = £20.00  
 Far East/Asia = £62.00  
 Australia = £62.00

