

Glenbio Ltd
10 Kilbegs Rd
Antrim
Co Antrim
BT41 4NN
UK



07th May 2020

**LETTER OF AUTHORIZATION
GIẤY ỦY QUYỀN**

To: *Ministry of Health (Department of Medical Equipment and Construction)*
Kính gửi: Bộ Y Tế (Vụ trang thiết bị và công trình Y tế)

We, *Glenbio Ltd. of 10 Kilbegs Rd, Antrim, CoAntrim, BT41 4NN, UK* as the owner of the medical devices listed hereunder, hereby authorize **HTB VIET NAM TECHNOLOGY COMPANY LIMITED** with the address at Unit 1, Ngọc Hoi commune, Thanh Tri district, Ha Noi, Viet Nam to be exclusive distributor to place the following medical devices to the market of Vietnam:

Chúng tôi, *Glenbio Ltd. of 10 Kilbegs Rd, Antrim, CoAntrim, BT41 4NN, UK* với tư cách là chủ sở hữu trang thiết bị y tế bằng văn bản này ủy quyền cho **CÔNG TY TNHH CÔNG NGHỆ HTB VIỆT NAM** có địa chỉ tại Đội 1, xã Ngọc Hôi, huyện Thanh Trì, Hà Nội là nhà phân phối độc quyền được lưu hành tại thị trường Việt Nam các trang thiết bị y tế sau:

All products shown in Appendix 1 (Attached on Page 2)

Tất cả sản phẩm trong danh mục sau đây

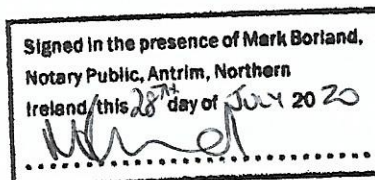
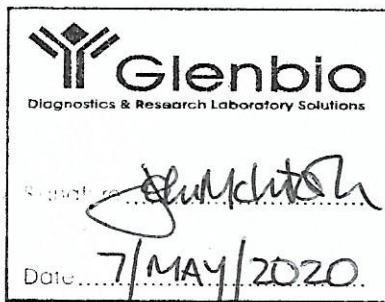
We hereby commit to provide and support any inquiry related to the information and quality of the medical device, guarantee all warranty, maintenance and service condition and supply replacement materials and accessories for the medical devices.

Chúng tôi cam kết cung cấp, hỗ trợ các yêu cầu liên quan đến thông tin, chất lượng và bảo đảm các điều kiện về bảo hành, bảo trì, bảo dưỡng và cung cấp vật tư, phụ kiện thay thế trang thiết bị y tế nêu trên.

This LETTER OF AUTHORIZATION is valid until: 31/12/2030

Thư ủy quyền này hiệu lực đến thời điểm: 31/12/2030

Signed on Behalf of Glenbio Ltd (Legal Signatory)





Glenbio Ltd.
10 Kilbegs Road
Antrim, Co Antrim
BT41 4NN
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Tel: +44(0) 2879659842

Healthcare for the future...

Certified Diagnostics Reagent Manufacturer
CE/IVD Compliant
ISO13485:2016 Certified
Registered in Belfast, N.Ireland (NI610700)
Directors: Mr J.McIntosh, Mr E.O'Donovan

Handwritten signature/initials

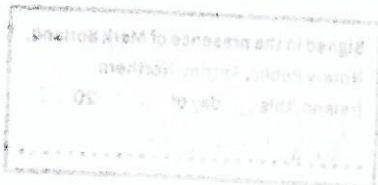
APOSTILLE (Convention de La Haye du 5 octobre 1961)	
1. Country: Pays / País:	United Kingdom of Great Britain and Northern Ireland
This public document Le présent acte public / El presente documento público	
2. Has been signed by a été signé par ha sido firmado por	Mark Borland
3. Acting in the capacity of agissant en qualité de quien actúa en calidad de	Notary Public
4. Bears the seal / stamp of est revêtu du sceau / timbre de y está revestido del sello / timbre de	The Said Notary Public
Certified Attesté / Certificado	
5. at à / en	London
6. the le / el día	14 August 2020
7. by par / por	Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs
8. Number sous no / bajo el numero	APO-1996082
9. Seal / stamp Sceau / timbre Sello / timbre	
10. Signature Signature Firma	T. Suchocka 

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 2020
 và CH Ai-len

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11/08/2020
 14/08/2020
 14/08/2020



CHỨNG NHẬN / HỢP PHÁP HÓA LÃNH SỰ
CONSULAR AUTHENTICATION

1. Quốc gia: **Việt Nam**
Country
- Giấy tờ, tài liệu này
This public document
2. do Ông (Bà): **T. Suchocka** ký
has been signed by
3. với chức danh: **Cán bộ lãnh sự**
acting in the capacity of
4. và con dấu của **Bộ Ngoại giao Anh**
bears the stamp of

được chứng nhận / hợp pháp hóa lãnh sự
Certified

5. tại **London** 6. ngày **25/ 08/ 2020**
at the
7. Cơ quan cấp: Đại sứ quán Việt Nam tại VQ Anh và CH Ai-len
by
8. Số: **3116**
Nº



Ký tên và đóng dấu
Signature and seal/stamp
Bí thư thứ hai
Second Secretary

Nguyễn Quang Đông

Đã được chứng nhận / hợp pháp hóa lãnh sự
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Ngày: 25/08/2020

Appendix A

OLYMPUS REAGENTS (BECKMAN OLYMPUS SYSTEMS)

Catalogue Code	Product	RI	R2	Cal/Std
GLAU109	ALPHA-1-ANTITRYPSIN	4 x 30ml	2 x 12ml	--
GLAU392	ANGIOTENSIN CONVERTING ENZYME (ACE)	4 x 20ml	--	--
GLAU509	ACETAMINOPHEN/PARACETAMOL	1 x 40ml	1 x 20ml	1 x 3ml
GLAU718	ALPHA-HYDROXYBUTYRATE DEHYDROGENASE (α-HBDH)	4 x 50ml	2 x 20ml	--
GLAU307	ALBUMIN BCG	4 x 60ml	--	--
GLAU317	ALBUMIN BCP	4 x 60ml	--	--
GLAU721	ALKALINE PHOSPHATASE (ALP) DGKC	12 x 70ml	4 x 40ml	--
GLAU731	ALKALINE PHOSPHATASE (ALP) AMP	12 x 70ml	4 x 40ml	--
GLAU702	ALANINE AMINOTRANSFERASE (ALT)	4 x 50ml	4 x 25ml	--
GLAU1007	AMMONIA	6 x 20ml, 3 x 4ml	2 x 12ml	1 x 10ml
GLAU103	AMYLASE CNP-G3	4 x 40ml	--	--
GLAU609	APOLIPOPROTEIN A-1 (APO A1)	4 x 30ml	2 x 12ml	--
GLAU809	APOLIPOPROTEIN B (APO B)	4 x 30ml	2 x 12ml	--
GLAU482	ANTITRYPTOLYSIN O (ASO)	4 x 31ml	1 x 20ml	--
GLAU703	ASPARTATE AMINOTRANSFERASE (AST)	4 x 25ml	4 x 25ml	--
GLAU1101	BICARBONATE	6 x 20ml	--	--
GLAU2152	BILIRUBIN DIRECT DPD	5 x 50ml	1 x 50ml	--
GLAU2035	BILIRUBIN DIRECT VANADATE	5 x 50ml	1 x 50ml	--
GLAU205	TOTAL BILIRUBIN O'LEARY	4 x 50ml	4 x 50ml	--
GLAU215	TOTAL BILIRUBIN O'LEARY	4 x 30ml	4 x 30ml	--
GLAU807	C3	4 x 30ml	2 x 12ml	--
GLAU808	C4	4 x 30ml	2 x 12ml	--
GLAU102	CALCIUM ARSENAZO III	4 x 60ml	--	--
GLAU112	CALCIUM ARSENAZO III	4 x 30ml	--	--
GLAU1102	CERULOPLASMIN	2 x 20ml	2 x 5ml	--
GLAU714	CHOLESTEROL	10 x 70ml	--	--
GLAU1001	CHOLINESTERASE	4 x 40ml	2 x 20ml	--
GLAU406	CK-MB	4 x 25ml	4 x 5ml	--
GLAU119	CK-NAC	4 x 50ml	1 x 50ml	--
GLAU513	COPPER	4 x 40ml	--	--
GLAU216	CREATININE ENZYMA TIC	7 x 70ml	7 x 35ml	--
GLAU3042	C-REACTIVE PROTEIN (CRP)	4 x 40ml	2 x 17ml	--
GLAU1103	CYSTATIN C	1 x 50ml	1 x 10ml	--
GLAU5022	FERRITIN	4 x 28ml	2 x 19ml	--
GLAU1002	FRUCTOSAMINE	2 x 30ml	2 x 10ml	--
GLAU1104	G6PDH	4 x 5ml, 4 x 5ml	4 x 10ml	--
GLAU705	GAMMA GT	4 x 50ml	4 x 50ml	--
GLAU706	GLUCOSE HEX	4 x 60ml	4 x 28ml	--

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OLYMPUS REAGENTS (BECKMAN OLYMPUS SYSTEMS)

Catalogue Code	Product	RI	R2	Cal/Std
GLAU716	GLUCOSE HEX	4 x 25ml	4 x 12ml	--
GLAU304	HIGH SENSITIVITY C-REACTIVE PROTEIN (HS-CRP)	4 x 40ml	2 x 17ml	--
GLAU108	HAPTOGLOBIN	4 x 30ml	2 x 12ml	--
GLAU2204	HBA1C	4 x 14ml, 4 x 6ml	4 x 9ml	4 x 32ml (Buffer)
GLAU6012	HDL CHOLESTEROL DIRECT	4 x 50ml	4 x 17ml	1 x 1ml
GLAU6022	HDL CHOLESTEROL DIRECT	4 x 60ml	4 x 20ml	1 x 1ml
GLAU1015	HOMOCYSTEINE	4 x 18ml	2 x 10ml	--
GLAU6066	IgA	4 x 30ml	2 x 12ml	--
GLAU607	IgG	4 x 30ml	2 x 12ml	--
GLAU608	IgM	4 x 30ml	2 x 12ml	--
GLAU3012	IRON FERROZINE	4 x 50ml, 4 x 50ml	1 x 40ml	--
GLAU3022	IRON FERROZINE	4 x 50ml, 4 x 50ml	2 x 20ml	--
GLAU1008	LACTATE	8 x 60ml	--	--
GLAU709	LDH SCE	4 x 50ml	4 x 25ml	--
GLAU719	LDH IFCC (L-P)	4 x 50ml	4 x 20ml	--
GLAU6052	LDL CHOLESTEROL DIRECT	2 x 45ml	1 x 30ml	1 x 1ml
GLAU538	LIPASE	4 x 26ml	4 x 14ml	--
GLAU1106	LITHIUM	2 x 20ml	2 x 10ml	3 x (1 x 3ml)
GLAU4092	LP(a)	4 x 31ml	1 x 20ml	--
GLAU4093	LP(a)	2 x 31ml	1 x 10ml	--
GLAU217	MAGNESIUM XYLIDYL BLUE	4 x 60ml	--	--
GLAU501	MICROALBUMIN	4 x 40ml	2 x 17ml	--
GLAU1009	PANCREATIC AMYLASE	12 x 22ml	6 x 10ml	--
GLAU209	PHOSPHOROUS	4 x 40ml	4 x 40ml	--
GLAU106	PREALBUMIN	4 x 30ml	2 x 12ml	--
GLAU4001	PROCALCITONIN	1 x 44ml	1 x 14ml	--
GLAU5083	RHEUMATOID FACTOR (RF)	4 x 31ml	2 x 12.5ml	--
GLAU5064	SALICYLATE	4 x 24ml	4 x 8ml	--
GLAU1201	TOTAL BILE ACIDS	4 x 27ml	2 x 18ml	--
GLAU306	TOTAL PROTEIN	4 x 50ml	4 x 50ml	--
GLAU3052	TRANSFERRIN	4 x 40ml	2 x 17ml	--
GLAU8022	TRIGLYCERIDES	5 x 50ml	--	--
GLAU802	UREA	4 x 60ml	4 x 60ml	--
GLAU812	UREA	4 x 30ml	4 x 30ml	--
GLAU803	URIC ACID	4 x 60ml	4 x 39ml	--
GLAU813	URIC ACID	4 x 30ml	4 x 20ml	--
GLAU313	URINARY PROTEIN	3 x 40ml	3 x 16ml	5 x 3ml
GLAU505	ZINC	4 x 40ml	--	--

Certified Diagnostics Reagent Manufacturer
CE/IVD Compliant
ISO 13485:2016 Certified
Registered in Belfast, N. Ireland (NI610700)
Directors: Mr J Mcintosh, Mr E O'Donovan

Handwritten signature

Mcintosh 2/9

Appendix A

ISE REAGENTS & WASH SOLUTIONS (BECKMAN OLYMPUS SYSTEMS)

Catalogue Code	Product	Pack Size
GLAUWASH	AU SERIES SYSTEM WASH SOLUTION	2000ml
GLAUWASH5	AU SERIES SYSTEM WASH SOLUTION	5000ml
GLAUW1	AU SERIES SYSTEM W1 SOLUTION	250ml
GLAUW2AL	AU SERIES SYSTEM W2 ALKALINE SOLUTION	250ml
GLAUW2AC	AU SERIES SYSTEM W2 ACID SOLUTION	250ml
GLAUH1011	BECKMAN OLYMPUS ISE BUFFER	4 x 2000ml
GLAUH1012	BECKMAN OLYMPUS ISE MID STANDARD	4 x 2000ml
GLAUH1013	BECKMAN OLYMPUS ISE REFERENCE	4 x 1000ml
GLAUH1014	BECKMAN OLYMPUS ISE LOW SERUM STANDARD	4 x 100ml
GLAUH1015	BECKMAN OLYMPUS ISE HIGH SERUM STANDARD	4 x 100ml
GLAUH1016	BECKMAN OLYMPUS ISE HIGH/LOW URINE STANDARD	4 x 100ml
GLAUH1017	BECKMAN OLYMPUS ISE INTERNAL REFERENCE SOLUTION	2 x 25ml
GLAUH1018	BECKMAN OLYMPUS Na/K SELECTIVITY CHECK SOLUTION	2 x 25ml
GLAUH1019	BECKMAN OLYMPUS ISE CLEANING SOLUTION	1 x 450ml
GLAUH1020	BECKMAN OLYMPUS ISE CLEANING SOLUTION	1 x 500ml

SPARE PARTS & ISE (BECKMAN OLYMPUS SYSTEMS)

Catalogue Code	Product	Pack Size
GLAU2001	K ELECTRODE	1
GLAU2002	Cl ELECTRODE	1
GLAU2003	Na ELECTRODE	1
GLAU2004	REF ELECTRODE	1
GLAU2005	PHOTOMETER LAMP	1
GLAU2006	ROLLER TUBING	2
GLAU2007	INSERT CUP	1000
MU959900	MIX ROD FOR RI & S	4 unit/pack
MU962800	MIX ROD FOR ISE	1 unit/pack
ZM011100	SAMPLE SYRINGE	1 unit/pack
ZM011200	REAGENT SYRINGE	1 unit/pack
ZM011200	REAGENT SYRINGE (BUFFER ISE)	1 unit/pack
MU837000	SYRINGE CASE	1 unit/pack
MF7443	VACUUM PUMP DIAPHRAGM	2 unit/pack
MU995800	REAGENT PROBE	1 unit/pack
MU993400	SAMPLE PROBE	1 unit/pack
ZM063400	CUVETTE	5 unit/ pack

Appendix A

PERFECT PLUS / MINDRAY BS-400 NON BARCODED REAGENTS

Catalogue Code	Product	RI	R2	Cal/Sld
GLM1091	ALPHA-1-ANTITRYPSIN	4x20ml	2x8ml	--
GLM309	ANGIOTENSIN CONVERTING ENZYME (ACE)	5x15ml	--	--
GLM509	ACETAMINOPHEN/PARACETAMOL	2x16ml	2x8ml	1 x 3ml
GLM202	ALPHA-HYDROXYBUTYRATE DEHYDROGENASE (α-HBDH)	4x20ml	2x8ml	--
GLM307	ALBUMIN BCG	6x50ml	--	--
GLM317	ALBUMIN BCG	5x30ml	--	--
GLM1907	ALCOHOL	4x20ml	2x15ml	--
GLM203	ALKALINE PHOSPHATASE (ALP) DGKC	6x50ml	5x12ml	--
GLM213	ALKALINE PHOSPHATASE (ALP) DGKC	5x30ml	3x10ml	--
GLM108	ALANINE AMINOTRANSFERASE (ALT)	9x50ml	3x30ml	--
GLM118	ALANINE AMINOTRANSFERASE (ALT)	5x30ml	3x10ml	--
GLM1007	AMMONIA	4x20ml, 2x4ml	2x8ml	1 x 3ml
GLM103	AMYLASE CNPG3	5x30ml	--	--
GLM113	AMYLASE IFCC	8x20ml	4x8ml	--
GLM609	APOLIPOPROTEIN A-1 (APO A1)	4x20ml	2x8ml	--
GLM809	APOLIPOPROTEIN B (APO B)	4x20ml	2x8ml	--
GLM428	ANTITRYPOLYSIN O (ASO)	9x54ml	5x16ml	--
GLM107	ASPARTATE AMINOTRANSFERASE (AST)	9x50ml	3x30ml	--
GLM117	ASPARTATE AMINOTRANSFERASE (AST)	5x30ml	3x10ml	--
GLM1101	BICARBONATE	5x10ml	--	--
GLM2035	BILIRUBIN DIRECT VANADATE	5x50ml	5x12ml	--
GLM265	TOTAL BILIRUBIN VANADATE	5x50ml	5x12ml	--
GLM807	C3	4x20ml	2x8ml	--
GLM808	C4	4x20ml	2x8ml	--
GLM112	CALCIUM ARSENAZO III	5x40ml	--	--
GLM102	CALCIUM CPC	5x25ml	5x10ml	--
GLM105	CHOLESTEROL	12x65ml	--	--
GLM115	CHOLESTEROL	9x50ml	--	--
GLM1001	CHOLINESTERASE	8x20ml	5x8ml	--
GLM406	CK-MB	3x35ml	2x10ml	--
GLM109	CK-NAC	3x50ml	3x10ml	--
GLM503	COPPER	5x15ml	--	--
GLM226	CREATININE ENZYMATIC	10x60ml	5x60ml	--
GLM206	CREATININE JAFFE	9x65ml	9x15ml	--
GLM216	CREATININE JAFFE	5x30ml	5x7ml	--
GLM334	C-REACTIVE PROTEIN (CRP)	5x64ml	5x16ml	--
GLM502	FERRITIN	5x30ml	4x17ml	--
GLM1104	G6PDH	4 x 5ml, 4 x 5ml	4 x 10ml	--
GLM705	GAMMA GT	6x50ml	5x12ml	--

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PERFECT PLUS / MINDRAY BS-400 NON BARCODED REAGENTS

Catalogue Code	Product	RI	R2	Cal/Sld
GLM715	GAMMA GT	5x30ml	3x10ml	--
GLM228	GLUCOSE HEX	10x60ml	6x20ml	--
GLM208	GLUCOSE PAP	12x65ml	--	--
GLM218	GLUCOSE PAP	9x50ml	--	--
GLM324	HIGH SENSITIVITY C-REACTIVE PROTEIN (hsCRP)	4x15ml	2x5ml	--
GLM602	HDL CHOLESTEROL DIRECT	5x60ml	5x20ml	1 x 1ml
GLM612	HDL CHOLESTEROL DIRECT	10x60ml	4x50ml	1 x 1ml
GLM606	IgA	4x20ml	2x8ml	--
GLM607	IgG	4x20ml	2x8ml	--
GLM608	IgM	4x20ml	2x8ml	--
GLM301	IRON FERROZINE	6x50ml, 6x50ml	4x15ml	1 x 10ml
GLM311	IRON FERROZINE	5x30ml, 5x30ml	3x10ml	1 x 10ml
GLM1008	LACTATE	5x10ml	--	--
GLM709	LDH DGKC (P-L)	6x50ml	5x12ml	--
GLM719	LDH DGKC (P-L)	5x30ml	3x10ml	--
GLM605	LDL CHOLESTEROL DIRECT	5x60ml	5x20ml	1 x 1ml
GLM615	LDL CHOLESTEROL DIRECT	5x30ml	5x10ml	1 x 1ml
GLM507	LIPASE	5x10ml	1x10ml	--
GLM1106	LITHIUM	2x20ml	2x10ml	3 x 3ml
GLM409	LP(β)	4x20ml	2x12ml	--
GLM207	MAGNESIUM XYLIDYL BLUE	6x15ml	6x15ml	--
GLM501	MICROALBUMIN	5x20ml	2x10ml	--
GLM1009	PANCREATIC AMYLASE	4x20ml	2x8ml	--
GLM312	PHOSPHORUS	4x22ml	4x10ml	--
GLM302	PHOSPHORUS	4x20ml	--	--
GLM106	PREALBUMIN	4x20ml	2x8ml	--
GLM528	RHEUMATOID FACTOR (RF)	5x64ml	5x16ml	--
GLM506	SALICYLATE	5x8ml	5x8ml	--
GLM306	TOTAL PROTEIN	6x50ml	6x50ml	--
GLM316	TOTAL PROTEIN	5x30ml	5x30ml	--
GLM305	TRANSFERRIN	5x20ml	2x10ml	--
GLM114	TRIGLYCERIDES	12x65ml	--	--
GLM104	TRIGLYCERIDES	9x50ml	--	--
GLM101	UREA	6x65ml	6x44ml	--
GLM803	URIC ACID	6x50ml	5x12ml	--
GLM813	URIC ACID	5x30ml	3x10ml	--
GLM303	URINARY PROTEIN	2x20ml	--	--
GLM505	ZINC	5x15ml	--	--

Medicine for the future...

Certified Diagnostics Reagent Manufacturer
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ISO13485:2016 Certified
Registered in Belfast, N Ireland (NI610700)
Directors: Mr J. McIntosh, Mr E. O'Donovan

Appendix A

SAPPHIRE 800 REAGENTS

Catalogue Code	Product	R1	R2	Cal/Std
GL-8S1001	ALPHA-1-ANTITRYPSIN	2 x 15ml	2 x 6ml	--
GL-8S202	ALPHA-HYDROXYBUTYRATE DEHYDROGENASE (α-HBDH)	9 x 19.5ml	9 x 3ml	--
GL-8S309	ANGIOTENSIN CONVERTING ENZYME (ACE)	4 x 20ml	--	--
GL-8S509	ACETAMINOPHEN / PARACETAMOL	6 x 21ml	3 x 21ml	1 x 3ml
GL-8S307	ALBUMIN BCG	6 x 64ml	6 x 16ml	--
GL-8S203	ALKALINE PHOSPHATASE (ALP) AMP	5 x 50ml	4 x 12.6ml	--
GL-8S108	ALANINE AMINOTRANSFERASE (ALT)	6 x 66ml	6 x 16.5ml	--
GL-8S1007	AMMONIA	6 x 20ml, 3 x 4ml	2 x 12ml	1 x 10ml
GL-8S103	AMYLASE EPS	12 x 50ml	12 x 10ml	--
GL-8S113	AMYLASE FCC	6 x 66ml	6 x 16ml	--
GL-8S609	APOLIPOPROTEIN A-1 (APO A1)	6 x 19ml	6 x 11ml	--
GL-8S809	APOLIPOPROTEIN B (APO B)	6 x 19ml	6 x 5ml	--
GL-8S408	ANTISTREPTOLYSIN O (ASO)	6 x 22ml	1 x 20ml	--
GL-8S107	ASPARTATE AMINOTRANSFERASE (AST)	6 x 66ml	6 x 16.5ml	--
GL-8S1101	BICARBONATE	6 x 20ml	--	--
GL-8S215	BILIRUBIN DIRECT DPD	5 x 17ml	5 x 5.5ml	--
GL-8S205	BILIRUBIN TOTAL DPD	9 x 62ml	9 x 15.5ml	--
GL-8S807	C3	2 x 18ml	2 x 4ml	--
GL-8S808	C4	2 x 18ml	2 x 4ml	--
GL-8S112	CALCIUM ARSENAZO III	10 x 63ml	--	--
GL-8S102	CALCIUM CPC	6 x 63ml	6 x 29ml	--
GL-8S105	CHOLESTEROL	12 x 65ml	--	--
GL-8S1011	CHOLINESTERASE	9 x 62ml	9 x 15.5ml	--
GL-8S406	CKMB	6 x 21ml	2 x 14.6ml	--
GL-8S109	CKNAC	4 x 60ml	4 x 15ml	--
GL-8S503	COPPER	4 x 40ml	--	--
GL-8S216	CREATININE ENZYMAITC	6 x 70ml	6 x 35ml	--
GL-8S206	CREATININE JAFFE	9 x 66ml	9 x 16.5ml	--
GL-8S304	C-REACTIVE PROTEIN (CRP)	6 x 20ml	6 x 4ml	--
GL-8S314	C-REACTIVE PROTEIN (CRP)	6 x 66ml	6 x 13ml	--
GL-8S512	FERRITIN	5 x 22ml	2 x 19ml	--

SAPPHIRE 800 REAGENTS

Catalogue Code	Product	R1	R2	Cal/Std
GL-8S204	GAMMA GT	6 x 66ml	6 x 16ml	--
GL-8S208	GLUCOSE HEX	9 x 66ml	9 x 16.5ml	--
GL-8S218	GLUCOSE PAP	12 x 66.5ml	--	--
GL-8S1081	HAPTOGLOBIN	2 x 15ml	2 x 6ml	--
GL-8S1034	HBAIC ENZYMAITC	1 x 14ml, 1 x 6ml	1 x 9ml	1 x 32ml (Buffer)
GL-8S602	HDL CHOLESTEROL DIRECT	6 x 60ml	6 x 20ml	--
GL-8S324	HIGH SENSITIVITY C-REACTIVE PROTEIN (HsCRP)	6 x 16ml	1 x 16ml	--
GL-8S606	IgA	6 x 20ml	6 x 8ml	--
GL-8S607	IgG	6 x 7ml	6 x 20ml	--
GL-8S608	IgM	6 x 20ml	6 x 8ml	--
GL-8S301	IRON FERROZINE	9 x 65ml, 9 x 65ml	9 x 16ml	1 x 10ml
GL-8S1108	LACTATE	12 x 65ml	--	--
GL-8S201	LDH DGKC	9 x 66ml	9 x 16.5ml	--
GL-8S605	LDL CHOLESTEROL DIRECT	6 x 40ml	4 x 20ml	--
GL-8S337	LIPASE	4 x 20ml	2 x 8ml	--
GL-8S409	Lp(a)	6 x 22ml	1 x 20ml	--
GL-8S207	MAGNESIUM XYLIDYL BLUE	6 x 38ml	6 x 59ml	--
GL-8S501	MICROALBUMIN	8 x 20ml	4 x 8.7ml	--
GL-8S1009	PANCREATIC AMYLASE	12 x 22ml	6 x 10ml	--
GL-8S209	PHOSPHOROUS	9 x 41ml	9 x 19ml	--
GL-8S106	PREALBUMIN	2 x 15ml	2 x 6ml	--
GL-8S508	RHEUMATOID FACTOR (RF)	6 x 22ml	2 x 13.5ml	--
GL-8S506	SALICYLATE	6 x 21ml	6 x 21ml	--
GL-8S306	TOTAL PROTEIN	6 x 65.5ml	6 x 65.5ml	--
GL-8S305	TRANSFERRIN	6 x 20ml	6 x 7ml	--
GL-8S104	TRIGLYCERIDES	12 x 65ml	--	--
GL-8S101	UREA	6 x 66ml	6 x 43ml	--
GL-8S176	URIC ACID	6 x 66ml	6 x 16ml	--
GL-8S303	URINARY PROTEIN BENZ CHLORIDE	12 x 20ml	6 x 16.5ml	5 x 3ml
GL-8S313	URINARY PROTEIN PYROGALLOL RED	5 x 50ml	--	--
GL-8S505	ZINC	4 x 40ml	--	--

Appendix A

SAPPHIRE 800		
Catalogue Code	Product	Pack Size
SAPP800	SAPPHIRE 800 ANALYSER	1

SAPPHIRE 800 SPARE PARTS / ISE		
Catalogue Code	Product	Pack Size
GL8S230	HITERGENT	10 x 70ml
GL8S402	INT. REF. SOL.	1 x 2000ml
GL8S415	ISE COMPENSATOR	2 x 5ml
GL8S401	ISE DILUENT	1 x 2000ml
GL8S411	ISE DILUENT	5 x 300ml
GL8S300	MULTI-CLEAN NaHO-D	1 x 100ml
GL8S310	MULTI-CLEAN NaHO-D	10 x 50ml
GL8S320	MULTI-CLEAN NaHO-D	10 x 100ml
GL8S330	MULTI-CLEAN NaHO-D	10 x 70ml
GL8S403	REF. ELEC. SOL.	1 x 500ml
GL8S404	STD. HIGH Na/K/Cl	10 x 3ml
GL8S414	STD. LOW Na/K/Cl	10 x 3ml
GL8S901	SAPPHIRE 800 WASH SOLUTION	1 x 2000ml
GL8S902	SAPPHIRE 800 DETERGENT SOLUTION	1 x 5000ml
GL8S903	ANTI-BACTERIAL SOLUTION 50	1 x 50ml
GL8S905	SAPPHIRE 800 ACID WASH SOLUTION	1 x 2000ml
GL8S911	SAPPHIRE 800 CS ALKALINE DETERGENT	1 x 2000ml
GL8S912	SAPPHIRE 800 DETERGENT SOLUTION	1 x 1000ml

SAPPHIRE 800 SPARE PARTS / ISE		
Catalogue Code	Product	Pack Size
GL8S01	HALOGEN LAMP (LIGHT SOURCE LAMP)	1
GL8S02	REACTION CUUVETTE SET (20PCS*6SET)	1
GL8S03	3603 ETHYLENE TUBE (1/8x1/4 INCH)	1
GL8S04	3603 ETHYLENE TUBE (1/16x1/8 INCH)	1
GL8S05	TEFLON FEP RIGID TUBE (1.5MM x 2.5MM)	1
GL8S06	TEFLON FEP RIGID TUBE (0.03x1/16 INCH)	1
GL8S07	SILICA GEL TUBE (8MM x 14MM)	1
GL8S08	RIBBON CASSETTE	1
GL8S09	PRINTING PAPER	1
GL8S10	WATER SUPPLY FILTER	1
GL8S11	SAMPLE PROBE	1
GL8S12	REAGENT PROBE	1
GL8S13	STIRRING ROD	1
GL8S14	NOZZLE 1, 2 OF RINSING MECHANISM	1
GL8S15	R1 REAGENT PROBE SYRINGE	1
GL8S16	R2 REAGENT PROBE SYRINGE	1
GL8S17	SAMPLE PROBE SYRINGE	1

Availability for the future...

Appendix A

CERTUS REAGENTS

Catalogue Code	Product	RI	R2	Cal/Std
GLC24014	ALPHA-1-ANTITRYPSIN	1 x 40ml	1 x 10ml	--
GLC24001	ANGIOTENSIN CONVERTING ENZYME (ACE)	4 x 60ml	--	--
GLC24106	ACID PHOSPHATASE	3 x 20ml	--	--
GLC24002	ADENOSINE DEAMINASE (ADA)	2 x 20ml	2 x 10ml	--
GLC24003	ALBUMIN BCG	4 x 60ml	--	--
GLC24004	ALBUMIN BCP	4 x 60ml	--	--
GLC24006	ALKALINE PHOSPHATASE (ALP) AMP	5 x 40ml	5 x 11ml	--
GLC24103	ALKALINE PHOSPHATASE (ALP) DEA	4 x 40ml	4 x 8ml	--
GLC24003	ALANINE AMINOTRANSFERASE (ALT)	5 x 40ml	5 x 10ml	--
GLC24010	AMYLASE CNPG3	4 x 60ml	--	--
GLC24011	AMYLASE EPS	2 x 32ml	2 x 8ml	--
GLC24015	APOLIPOPROTEIN A-1 (APO A1)	2 x 25ml	2 x 5ml	--
GLC24016	APOLIPOPROTEIN B (APO B)	2 x 25ml	2 x 5ml	--
GLC24105	ANTITREPTOLYSIN O (ASO)	2 x 16ml	2 x 11ml	--
GLC24018	ASPARTATE AMINOTRANSFERASE (AST)	5 x 40ml	5 x 10ml	--
GLC24019	b-HYDROXYBUTYRATE	2 x 30ml	2 x 10ml	1 x 1ml
GLC24020	BICARBONATE	6 x 20ml	--	--
GLC24021	BILIRUBIN DIRECT DPD	5 x 40ml	5 x 8ml	--
GLC24022	BILIRUBIN DIRECT VANADATE	4 x 36ml	4 x 9ml	--
GLC24023	BILIRUBIN TOTAL DPD	5 x 40ml	5 x 8ml	--
GLC24025	BILIRUBIN TOTAL VANADATE	4 x 40ml	4 x 10ml	--
GLC24026	C3	2 x 25ml	2 x 5ml	--
GLC24027	C4	2 x 25ml	2 x 5ml	--
GLC24028	CALCIUM ARSENAZO III	4 x 60ml	--	--
GLC24029	CALCIUM CPC	4 x 40ml	4 x 11ml	--
GLC24031	CERULOPLASMIN	1 x 40ml	1 x 10ml	--
GLC24033	CHOLESTEROL	4 x 60ml	--	--
GLC24034	CHOLINESTERASE	4 x 40ml	4 x 10ml	--
GLC24035	CKMB	4 x 25ml	4 x 5ml	--
GLC24036	CKNAC	5 x 40ml	5 x 8ml	--
GLC24037	COPPER	4 x 60ml	--	--
GLC24039	CREATININE ENZYMATIC	4 x 30ml	4 x 10ml	--
GLC24040	CREATININE JAFFE	4 x 40ml	4 x 10ml	--
GLC24104	C-REACTIVE PROTEIN (CRP) FULL RANGE	4 x 20ml	4 x 20ml	--
GLC24124	C-REACTIVE PROTEIN (CRP) FULL RANGE	2 x 20ml	2 x 20ml	--
GLC24042	CYSTATIN C	2 x 25ml	2 x 5ml	--
GLC24043	FERRITIN	2 x 40ml	2 x 14ml	--
GLC24044	FIBRINOGEN	2 x 25ml	2 x 7ml	--

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CERTUS REAGENTS

Catalogue Code	Product	RI	R2	Cal/Std
GLC24045	FOB	2 x 22ml	2 x 6.5ml	--
GLC24056	GAMMA GT	5 x 40ml	5 x 8ml	--
GLC24051	GLUCOSE HEX	4 x 40ml	4 x 10ml	--
GLC24052	GLUCOSE PAP	4 x 60ml	--	--
GLC24114	HAPTOGLOBIN	1 x 40ml	1 x 10ml	--
GLC24053	HBA IC	2 x 18ml, 2 x 7.5ml	2 x 11ml	2 x 32ml (Buffer)
GLC24054	HBDH DGKC	5 x 40ml	5 x 8ml	--
GLC24055	HDL CHOLESTEROL DIRECT	4 x 30ml	4 x 10ml	--
GLC24050	HOMOCYSTEINE	1 x 25ml	1 x 7ml	--
GLC24058	IgA	3 x 20ml	3 x 14ml	--
GLC24059	IgE	1 x 38ml	1 x 20ml	--
GLC24060	IgG	3 x 20ml	3 x 14ml	--
GLC24061	IgM	3 x 20ml	3 x 14ml	--
GLC24062	IRON FERROZINE	4 x 37ml	4 x 10ml	--
GLC24063	LACTATE	4 x 60ml	--	--
GLC24065	LDH DGKC	5 x 40ml	5 x 8ml	--
GLC24067	LDL CHOLESTEROL DIRECT	4 x 30ml	4 x 10ml	--
GLC24068	LIPASE	5 x 40ml	5 x 8ml	--
GLC24069	Lp(a)	2 x 25ml	2 x 5ml	--
GLC24072	MAGNESIUM XYLIDYL BLUE	4 x 60ml	--	--
GLC24073	MICROALBUMIN	4 x 25ml	4 x 5ml	--
GLC24076	PHOSPHOROUS	4 x 60ml	--	--
GLC24077	POTASSIUM	4 x 30ml	4 x 10ml	--
GLC24078	PREALBUMIN	2 x 25ml	2 x 10ml	--
GLC24079	PROCALCTONIN	1 x 30ml	1 x 10ml	--
GLC24100	RHEUMATOID FACTOR (RF)	2 x 40ml	2 x 15ml	--
GLC24084	SALICYLATE ENZYMATIC	2 x 40ml	2 x 17ml	--
GLC24085	SODIUM	2 x 40ml	2 x 20ml	--
GLC24087	TOTAL BILE ACIDS	4 x 30ml	4 x 10ml	--
GLC24088	TOTAL PROTEIN	4 x 60ml	--	--
GLC24089	TRANSFERRIN	2 x 25ml	2 x 5ml	--
GLC24090	TRIGLYCERIDES	4 x 60ml	--	--
GLC24091	UREA UV	4 x 40ml	4 x 10ml	--
GLC24092	URIC ACID	5 x 40ml	5 x 8ml	--
GLC24094	URINARY PROTEIN PY. RED	2 x 40ml	--	--
GLC24096	VITAMIN D	1 x 40ml	1 x 10ml	--
GLC24097	ZINC	4 x 60ml	--	--

Additional reagents for this system...

Certified Diagnostics Reagent Manufacturer
CE/IVD Compliant
ISO13485:2016 Certified
Registered in Belfast, N Ireland (NIG10700)
Directors: Mr J Mcintosh, Mr E O'Donovan

Appendix A

CERTUS 450 SPARE PARTS / ISE

Catalogue Code	Product	Pack Size
CERT450	CERTUS 450 ANALYSER	1
SP2208	ALKALINE WASH SOLUTION	500ml
SP2209	ACID WASH SOLUTION	500ml
20-22-0391	SAMPLE CUPS	1000
60-00-0001	HALOGEN LAMP	1
SP2058	WATER FILTER	5
23-07-0055	CUVETTES	60
23-30-0676	DRYING NOZZLE TIP	2
60-08-0083	PACKING	4
60-02-0020	SAMPLE PROBE	1
60-03-0034	REAGENT PROBE	1
60-01-0003	SAMPLE TRAY STANDARD ACCESSORY	1
20-18-0291	WASTE LIQUID RESERVOIR	1
20-19-0301	REACTION WASTE RESERVOIR	1
20-30-0556	SPARE RESERVOIR 2-011-04 (5L.)	1
20-17-0281	ALKALINE WASH SOLUTION RESERVOIR	1
20-17-0284	ACIDIC WASH SOLUTION RESERVOIR	1
20-27-0474F	Na ELECTRODE F	1
20-27-0475F	K ELECTRODE F	1
20-27-0476F	Cl ELECTRODE F	1
20-27-0473F	REFERENCE ELECTRODES F	1
20-27-0477F	CALIBRATOR I	1 x 420ml
60-22-0263F	CALIBRATOR SET A, B	2 x 20ml
20-27-0479F	CLEANING SOLUTION	1 x 25ml
50-27-0781	ISE CLEANER (1%)	1
20-30-0610	ROLLER PUMP TUBE B FOR NEW ROLLER PUMP	2
20-27-0487F	PINCH VALVE TUBE F	2
20-27-0488F	PIPING TUBE SET F	7

Additional to the system...

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Appendix A

CALIBRATORS

Catalogue Code	Product	Pack Size
GL968	ACE CALIBRATOR	10 x 1ml
GL9808	ADA CALIBRATOR	1 x 1ml
GDOA9613	ALCOHOL CALIBRATOR	2 x 5ml
GL9635	APO A&B CALIBRATOR	3 x 1ml
GL9604	ASO CALIBRATOR	5 x 1ml
GL1105	ASO CALIBRATOR	1 x 5ml
GL9888	B-HYDROXYBUTYRATE CALIBRATOR	1 x 1ml
GL9704	BICARBONATE CALIBRATOR	5 x 2ml
GLCLPAL	CALPROTECTIN CALIBRATOR SET	6 x 0.5ml
GL965	CK-MB CALIBRATOR	10 x 2ml
GL964	CRP CALIBRATOR	10 x 1ml
GL9644A	CRP CALIBRATOR	5 x 2ml
GL9706	CYSTATIN C CALIBRATOR	6 x 1ml
GL9601	FERRITIN CALIBRATOR	6 x 1ml
GLFBCAL	FIBRINOGEN CALIBRATOR	1 x 1ml
GL9809	FRUCTOSAMINE CALIBRATOR	3 x 1ml
GL9631	G6PDH CALIBRATOR	2 x 0.5ml
GL983	GENERAL CHEMISTRY CALIBRATOR	10 x 5ml
GL974	H&CRP CALIBRATOR	6 x 2ml
GL9708	HBAIC ENZYMATIC CALIBRATOR	2 x 0.5ml
GL9717	HDL/LDL CALIBRATOR	5 x 1ml
GL9505	HOMOCYSTEINE CALIBRATOR	5 x 1ml
GL8605	IgE CALIBRATOR SET	5 x 2ml
GL9622	Lp(a) CALIBRATOR	3 x 1ml
GL966	MICROALBUMIN CALIBRATOR	10 x 2ml
PM941	PARACETAMOL CALIBRATOR	1 x 3ml
GL7007	POTASSIUM CALIBRATOR	2 x 3ml
GL9603	PROCALCITONIN CALIBRATOR	6 x 1ml
GL4012	RF CALIBRATOR	5 x 1ml
GL9633	RF CALIBRATOR	4 x 1ml
GL9616	SALICYLATE (ENZYMATIC) CALIBRATOR	3 x 5ml
GL9606	SALICYLATE (KELLER) CALIBRATOR	3 x 5ml
GL8005	SODIUM CALIBRATOR	2 x 3ml
GL9605	SPECIFIC PROTEIN CALIBRATOR	5 x 1ml
GL9705	TOTAL BILE ACIDS CALIBRATOR	5 x 2 ml
GL969	TRANSFERRIN CALIBRATOR	10 x 1ml
GL955	VITAMIN D CALIBRATOR	5 x 1ml

CONTROLS

Catalogue Code	Product	Pack Size
GL9304	ADA CONTROL LEVEL 1	1 x 1ml
GL9305	ADA CONTROL LEVEL 2	1 x 1ml
QC326	ANGIOTENSIN CONVERTING ENZYME (ACE) CONTROL LEVEL 1	6 x 1ml
QC336	ANGIOTENSIN CONVERTING ENZYME (ACE) CONTROL LEVEL 2	6 x 1ml
GDOA9653	ALCOHOL CONTROL SET	2 x 1ml
GL9106	AMMONIA CONTROL SET	3 x 1ml, 3 x 1ml
GL9005	ANTISTREPTOLYSIN O (ASO) CONTROL LEVEL 1	5 x 1ml
GL9015	ANTISTREPTOLYSIN O (ASO) CONTROL LEVEL 2	5 x 1ml
QC358	BICARBONATE CONTROL	2 x 2ml
GLCLPCON	CALPROTECTIN CONTROL SET	2 x 0.5ml, 2 x 0.5ml
GL905	CK-MB CONTROL	10 x 2ml
GL924	CRP CONTROL LEVEL 1	20 x 1ml
GL934	CRP CONTROL LEVEL 2	20 x 1ml
GL924A	CRP CONTROL LEVEL 1	2 x 3ml
GL934A	CRP CONTROL LEVEL 2	2 x 3ml
GL9103	CYSTATIN C CONTROL SET	2 x 1ml
GL9022	FERRITIN CONTROL SET	5 x 1ml, 5 x 1ml
GLFIBCON	FIBRINOGEN CONTROL SET	2 x 1ml
GL9308	FRUCTOSAMINE CONTROL LEVEL 1	3 x 1ml
QC346	G6PDH CONTROL	3 x 0.5ml
GL922	GENERAL CHEMISTRY CONTROL LEVEL 1	20 x 5ml
GL932	GENERAL CHEMISTRY CONTROL LEVEL 2	20 x 5ml
QC904	H.S.CRP CONTROL LEVEL 1	10 x 2ml
QC914	H.S.CRP CONTROL LEVEL 2	10 x 2ml
GL9104	HBA IC CONTROL	2 x 0.5ml
GL9102	HOMOCYSTEINE CONTROL SET	3 x 1ml
GL8606	IgE CONTROL	2 x 3ml
GL9009	LIPID CONTROL LEVEL 1	5 x 3ml
GL9019	LIPID CONTROL LEVEL 2	5 x 3ml
GL9105	LITHIUM CONTROL SET	4 x 3ml
GL906	MICROALBUMIN CONTROL	10 x 2ml
GL9039	PARACETAMOL CONTROL SET	6 x 5ml
GL4011	PROCALCITONIN CONTROL	2 x 3ml
GL9004	RF CONTROL LEVEL 1	5 x 1ml
GL9014	RF CONTROL LEVEL 2	5 x 1ml
GL9008	SALICYLATE (KELLER) CONTROL	5 x 5ml
GL9026	SPECIFIC PROTEIN CONTROL LOW	10 x 1ml
GL9006	SPECIFIC PROTEIN CONTROL LEVEL 1	10 x 1ml
GL9016	SPECIFIC PROTEIN CONTROL LEVEL 2	10 x 1ml
GL949	URINE CONTROL LEVEL 1	10 x 10ml
GL959	URINE CONTROL LEVEL 2	10 x 10ml
GL957	VITAMIN D CONTROL SET	6 x 2ml

SAMPLE DILUTION VIALS

Catalogue Code	Product	Pack Size
GL2123	FOB SAMPLE DILUTION VIALS	100 x 2ml
GL2123B	FOB SAMPLE DILUTION VIALS	100 x 2ml
GL7077R	CALPROTECTIN SAMPLE DILUTION VIALS	100 x 2ml
GL7078B	CALPROTECTIN SAMPLE DILUTION VIALS	100 x 2ml

Hold on to your system...