# : PRODUCT CATALOG



#### PROFESSIONAL I DIVERSIFIED I INNOVATIVE

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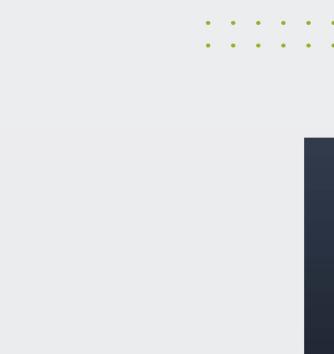
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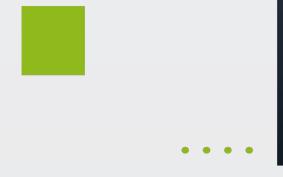
ABEYANCE

**BPR MEDICAL** 

**RAPID TEST KIT** 

RANDOX (EQA , IQC)







# Evacuated blood collection tube

TYPE : GEL AND CLOT ACTIVATOR MATERIAL: PET SIZE: 13mm x 75mm , 13mm x 100mm VOLUME : 3.5ml , 5ml COLOR: Yellow PACKAGING: 100/1000



Gel & Clot Activator Tube

TYPE : CLOT ACTIVATOR MATERIAL: PET SIZE: 13mm x 75mm VOLUME : 3ml, 4ml COLOR: RED PACKAGING: 100/1000



TYPE : LITHIUM HEPARIN MATERIAL: PET SIZE: 13mm x 75mm VOLUME : 3ml , 4ml COLOR: GREEN PACKAGING: 100/1000

IMPROVACUTER\* Glucose Tube

TYPE : SODIUM FLOURIDE / GLUCOSE MATERIAL: PET SIZE: 13mm x 75mm VOLUME : 2ml , 3ml COLOR: GREY PACKAGING: 100/1000



# Evacuated blood collection tube

#### TYPE : CLOT ACTIVATOR MATERIAL: PET SIZE: 13mm x 75mm VOLUME : 3ml, 4ml COLOR: RED PACKAGING: 100/1000



IMPROVACUTER

TYPE : EDTA.K2 MATERIAL: PET SIZE: 13mm x 75mm, 13mm x 100mm VOLUME : 2ml, 3ml, 6ml, 8ml COLOR: LAVENDER PACKAGING: 100/1000



TYPE : SODIUM CITRATE MATERIAL: PET SIZE: 13mm x 75mm VOLUME : 1.8ml, 2.7ml COLOR: BLUE PACKAGING: 100/1000



TYPE : ESR MATERIAL: PET SIZE: 13mm x 75mm, 9mm x 120mm VOLUME : 1.28ml , 1.6ml COLOR: BLACK PACKAGING: 100/1000





# Pediatric Blood Collection Tube



ТҮРЕ	COLOR	VOLUME	PACKAGING
GEL AND CLOT ACTIVATOR	YELLOW	0.5ml	50/1000
CLOT ACTIVATOR	RED	0.5ml	50/1000
GEL LITIHUM HEPARIN	GREEN	0.5ml	50/1000
EDTA.K2	LAVENDER	0.5ml	50/1000
SODIUM FLOURIDE/ GLUCOSE	GREY	0.5ml	50/1000







ТҮРЕ	PACKAGING
PLAIN , PACKED INDIVIDUALLY	50/500
PLAIN , PACKED IN BULK	100/2000
AMIES WITHOUT CHARCOAL	50/500
AMIES WITH CHARCOAL	50/500
STUART	50/500
CARY-BLAIR	50/500



# Blood Colection System



TYPE : SAFETY BLOOD COLLECTION SYSTEM WITH PRE-ATTACH HOLDER NEEDLE GAUGE: 21G , 23G, 25G NEEDLE LENGTH x TUBE LENGTH : 3/4 x 7" , 3/4 x 12" WING COLOR : 21G (GREEN) , 23G (BLUE), 25G (ORANGE) PACKAGING: 50/500



TYPE : SAFETY BLOOD COLLECTION SYSTEM NEEDLE GAUGE: 21G , 23G, 25G NEEDLE LENGTH x TUBE LENGTH : 3/4 x 7" , 3/4 x 12" WING COLOR : 21G (GREEN) , 23G (BLUE), 25G (ORANGE) PACKAGING: 100/2000



TYPE : MULTI SAMPLE NEEDLE (FLASHBACK) NEEDLE GAUGE: 18G, 20G, 21G , 22G, 23G NEEDLE LENGTH : 1" , 1.5" SHEILD COLOR : 18G ( PINK ), 20G (YELLOW) , 21G (GREEN) , 22G (BLACK), 23G (BLUE) PACKAGING: 100/5000



TYPE : MULTI SAMPLE NEEDLE NEEDLE GAUGE: 18G, 20G, 21G , 22G, 23G NEEDLE LENGTH : 1" , 1.5" SHEILD COLOR : 18G ( PINK ), 20G (YELLOW) , 21G (GREEN) , 22G (BLACK), 23G (BLUE) PACKAGING: 100/4000





# Blood Colection System



IMPROVACUTER\* Satety Holder

GENERAL HOLDER

SAFETY HOLDER

ITEM : IMPROVACUTER HOLDER TYPE: GENERAL HOLDER PACK: 40/1000 TYPE : SAFETY HOLDER PACK: 20/1000



TYPE : IMPROMINI SAFETY LANCET NEEDLE GAUGE: 30G, 28G, 26G, 23G, 21G, 18G PUNCTURE DEPTH : 1.8mm, 2.2mm,1.8mm PACKAGING: 100/1000



TYPE : IMPROMINI SAFETY HEEL LANCET DEPTH : 0.85mm, 1.0mm, 1.14mm WIDTH : 1.75mm, 2.5mm, 1.14mm COLOR : ORANGE, YELLOW, PINK PACKAGING: 50/200

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# Blood Colection System



TYPE : TOURNIQUETS DESCRIPTION: FOR ADULT AND KID COLOR : BLUE, LIGHT BLUE PACKAGING: 50/500



TYPE : DISPOSABLE TOURNIQUETS DESCRIPTION: LATEX FREE PACKAGING: 50/2000



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#### ANALYTICAL SOLUTION PRE

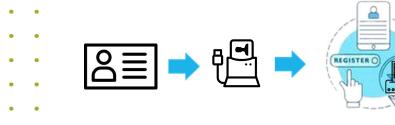
# **OPDsys**<sup>©</sup> System

OPDsys is a Pre Analytical Solution software focusing on the patient registration part to reduce and eliminate the error that caused by manual registration.

OPDSys is designed for patient safety by ensuring the accuracy of patient's information during registration. Patient's information will be captured from MyKad and converted into a QR code. The generated QR code is encrypted to ensure the integrity of patient information. Hence, the generated QR code only can be scanned by the MyPhlebo system for the blood collection process.



#### **OPDsys Workflow**



Acquire patient identification card (IC)

Extract patient data from IC



Patient registration only required 1 click. **OPDsys generate QR code** that contain patients details



The QR code generated can be use for MyPhlebo system

PRE ANALYTICAL SOLUTION

#### **OPDsys Benefits**





Cut Wait Time



Improved Convenience



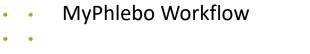


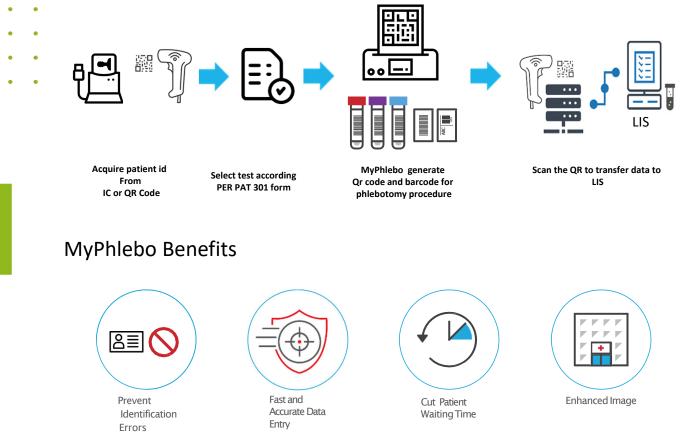
# PRE ANALYTICAL SOLUTION

# MyPhlebo© System



MyPhlebo Software provide the solution by integrating the 3 major component in laboratory processes and pre-analytical processes such as phlebotomy registration/patient registration, tube labeling and LIS Check-in registration through All-in-One solution using a QR Code system.







#### PRE ANALYTICAL SOLUTION

# Spots<sup>©</sup> System

Sample outsourcing is a common procedure for every diagnostic laboratory, not all laboratory tests are done in-house, some are sent out for diagnosis. It is estimated that 15%-20% of the total workload will be sent out. Normally, samples that are sent out will be recorded manually in the log book that has been prepared. Because it is recorded manually, the potential for delays in receiving the results back is high and lost track.

SPOTS system is develop to assist laboratory personnel in handling outsource sample by keep transaction record of specimens that are send to outsource laboratory, keep track on specimen collections, packaging record, receiving and storing result analysis. SPOTS system also have feature that can inform user if the result is not received within the allocated time.



#### ENERGIUM

#### Automated Pre-Analytical Traceability Solution

HENd

HENd is a small labeler that automatically attaches the sample information printed label to the tube and provides the patient information printed label. The software's user interface makes blood collection tasks more convenient, such as calling patients, verifying patients, checking sample information, and checking statistics.

#### No need to put it in order!

There is no need to sort the tube in advance, just insert the tube and HENd will automatically recognize it and label the tube with the appropriate sample information and patient information label. Up to 5 tubes can be placed on the inlet.

- Convenient tube insertion
- Automatic tube detection
- • Various tubes compatible
- Small labeler
- Fast tube ejection speed



ENERGIUN



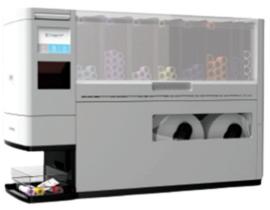
#### ENERGIUM

#### Automated Pre-Analytical Traceability Solution

Solution Making time for smiles

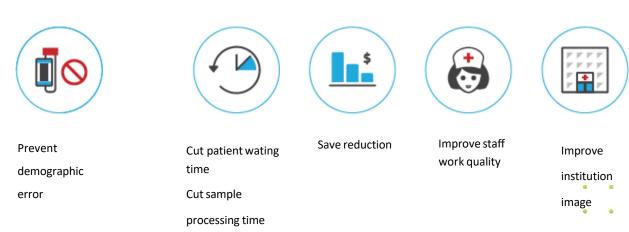
HENm automatically provides medical technicians with essential items required for a phlebotomy (tubes with specimen labels attached, specimen labels and patient identification labels) based on the phlebotomy information recorded in the HIS (Hospital Infor-

mation System).



HIS (LIS, EMR) HENM HENM Phlebotomy apparatus Phlebotomy

Benefits



ENERGIUM

#### ENERGIUM

#### Automated Pre-Analytical Traceability Solution

# **GNT9** Series



The TDU (Tray Dispensing Unit) allows GNT9 BA to be used as a -alone or shared unit between stations. Automatically provides with sample label attached, extra label and patient identification label required for blood collection and eject the TRAY in either directions. ENERGIUI

#### **BA(Barcode Applicator)**

Attaches a label to a tube, and transfers the labeled tube to TTT.

- When loading tubes, the inlets that are not in operation can be
- opened to load tubes without stopping the machine.
- . . . . . .

Automatic labeling system
 The top label printer prints the patient information label
 and automatically attaches it to the tube.

Easy tube supply

It accommodates large volumes of tubes into the Inlet easily and quickly without the need to align the tubes. \*Up to 100 tubes c an be supplied per Inle t.



#### Expandable module

BA modules can be expanded to suit the environment of the blood collection room



# medicon

MEDICON reagent compatibles with all Beckman Coulter AU series analysers and being use worldwide for more than 20 years. MEDICON is design for both as replacement product to the original BECKMAN COULTER reagents and as compliments, since we also offer "special test" parameter that not currently offer by BECMAN COULTER.





#### QA-QC

MEDICON is certified by ISO13485 that ensure high quality and lot-to-lot stability. All raw material are tested upon reception, according to European Pharmacopeia, USP or supplier specifications.

Each lot is released after completion of performance testing., Microbiological control and Shelf-life/OBS testing. Validation protocol at end-of-shelf life ensure performance claim. All test are done according to CSLI Protocol

#### **MEDICON AU SERIES REAGENT**

- Liquid , ready to use
- <u>2</u>-reagent system
- High stability on-board
  - Extensive test parameter

#### **MEDICON CALIBRATION & CONTROL**

- Liquid and freeze dries
- Covering the whole tests menu
- High stability after opening,
- Convenient packaging sizes



# medicon

System Reagent for Beckman Coulter Au Series



# **GENERAL CHEMISTRY**

**5 - NUCLEOTIDASE** AMYLASE ACID PHOSPHATE ADENOSINE DEAMINASE HDL-CHOLESTROL ALBUMIN ALDOLASE ALKALINE PHOSPHATE ALT/SGPT AMMONIA AST/SGOT **BILIRUBIN DIRECT BILIRUBIN TOTAL** CALCIUM **CHOLESTROL CHOLINESTRASE** СК • CK-MB CREATININE CREATININE, ENZ

ETHANOL G-6-PDH G-GT IRON LACTATE LDH L-P LDH P-L LDL- CHOLESTROL LYSOZYME MAGNESIUM **PHOSPHATE** PHOSPHOLIPIDS TOTAL ANTIOXIDANTS **TOTAL PROTEIN TRIGLYCERIDES** UIBC UREA URIC ACID••

# medicon

System Reagent for Beckman Coulter Au Series



# **SPECIFIC PROTEIN**

A1– ANTITRYPSIN A1-MICROGLOBULIN A2– MICROGLOBULIN A – FETOPROTEIN ANTITHROMBIN III APO A1 APO B ASO **B2–MICROGLOBULIN** C3 C4 CERULOPLASMIN CRP **CRP LATEX** CYSTATIN-C D-DIMER FERRITIN **FIBRINOGEN** 

HAPTOGLOBIN HbA1c lgA IgE **IgM** lgG **X LIGHT CHAIN** λ LIGHT CHAINS Lp (a) **MICROALBUMIN PLASMINOGEN** PREALBUMIN RF **RBP** SERUM AMYLOID a sTfR TAC **TRANSFERRIN** 

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# 2 PHOENIX DIAGNOSTICS

Phoenix Diagnostics is a premier alternative manufacturer of consumables for Blood Gas, Electrolyte, Co Oximetry and Chemistry analyzers world wide. Over thirty years of experience within the in vitro diagnostics industry has enabled our staff to engineer a technologically sophisticated product line of replacement reagents, calibrators, quality controls, and electrodes with extensive instrument coverage and analyte breadth.



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
Calibrate	ors,Standar	ds,&Reagents			
21-101 21-102 21-103 21-104 21-105 21-106 21-107 21-108 24-109 21-110	AUH1011 AUH1012 AUH1013 AUH1014 AUH1015 AUH1016 AUH1017 AUH1018 AUH1019 OSR0001	ISEBuffer ISEMid-Standard ISEReference ISELowStandard ISEHighStandard Low/HighUrineStandard InternalReferenceFillSolution Na/KSelectivityOption CleaningSolution WashSolution	AllOlympus AUSeries AllOlympus AUSeries AllOlympus AUSeries AllOlympus AUSeries AllOlympus AUSeries AU600,AU 800,AU 1000 AllOlympus AUSeries AllOlympus AUSeries AllOlympus AUSeries	4x2000mL 4x2000mL 4x100mL 4x100mL 4x100mL 2x25mL 2x25mL 4x100mL 6x2000mL	4x2000m 4x2000m 4x1000mL 4x100mL 4x100mL 2x25mL 2x25mL 4x100mL 6x2000m
•		I	AllolyIIIpusA03elles	0X2000IIIL	0.200011
<b>Specialt</b> E-900 E-910 E-920 E-930	y Calibrator MU9195 MU9197 MU9196 MU9194	s & Controls KElectrode RefElectrode CIElectrode NaElectrode	AllOlympus AUSeries AllOlympus AUSeries AllOlympus AUSeries AllOlympus AUSeries	Each Each Each Each	Each Each Each Each
Electrod	es & Access	ories	• • • •	•	
PH7000 PH7001 6001 6002	 	Multi-AnalyteChemistryCalibrator (1Level) Multi-AnalyteChemistryCalibrator(2Levels) Total&DirectBilirubinControl (Normal) Total&DirectBilirubinCalibrator	AllPopularChemistryAnalyzers AllPopularChemistryAnalyzers AllPopularChemistryAnalyzers AllPopularChemistryAnalyzers	10x1mL 2x5x1mL 10x1mL 10x1mL	 





#### EC 160 CO<sub>2</sub> INCUBATOR POWERED BY

#### **N-Smart**™

- Chamber Volume : 160 liters
- Temperature range: Ambient Temperature +7°C to 50°C
- Temperature variation / fluctuation:  $\pm$  0,3°C /  $\pm$  0,1°C at 37°C
- Programmable temperature alarm range: ± 0,5°C to 5°C
- Air jacketed heating system
- RaPIDcell<sup>™</sup> fast temperature recovery without overshoot
- CO<sub>2</sub> Range: 0 to 20 % CO<sub>2</sub>
- CO<sub>2</sub> Variation / Fluctuation: ± 0,3 % / ± 0,1%
- Programmable CO2 alarm range:  $\pm$  0,5 % to 5 %

### DF 290/490/590 ULTRA LOW TEMPERATURE FREEZERS FR 290/490/590 DEEP FREEZERS POWERED BY N-Smarttm

- DF Series: -86°C / FR Series : -41°C
- Three different sizes: 261, 461, 560 liters
- DirectFREEZE™ : Faster and homogenous freezing through the

coils located inside the shelves

- Powerful and reliable N-SmartTM microprocessor control system
- Maximum information with highly visible 4,3" colourful LCD

#### display

• Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically



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#### NF 024 MICROLITRE CENTRIFUGE

- Maximum capacity: 12x1,5/2 ml
- Maximum speed: 15.000 rpm
- Maximum RCF: 15.596xg
- Programmable microprocessor control system

Haematocrit Rotor 24xcapillary tubes

12.000 rpm

14.811xg

- Large back-lit LCD display for speed, time and RCF (xg)
- 30 seconds 999 minutes timer with hold position
- ABS plastic body and lid reinforced by metal enclosure

#### NF 048

#### MICROLITRE AND HAEMATOCRIT CENTRIFUGE

	Angle Rotor
Maximum capacity :	24x1 5/2 ml
Maximum speed :	14.000 rpm
Maximum RCF :	18.188xg



- Easy programming with one button, just turn and push
  - Highly visible dual bright LED display for time and speed / RCF(xg)
  - 1 99 minutes timer with hold position



#### NF 200 BENCH TOP CENTRIFUGE POWERED BY N-

#### **Prime**TM

- Maximum capacity : 12x15 ml
- Maximum speed : 5.000 rpm
- Maximum RCF : 2.822xg
- N-Prime™ programmable microprocessor control system
- Easy programming with one button, just turn and push









#### NF400-NF400R ,NF800 – NF800R ,NF1200 – NF1200R, BENCH TOPCENTRI-FUGES POWERED BY N-Primetm

- N-Prime™ programmable microprocessor control system
- Easy programming with one button, just turn and push
- 10 program memories
- Highly visible bright LED displays for programmable parameters

#### NF 800 - NF 800R

	Swing-out Rotors Angle Rot			Angle Rotor	s
Maximum capacity:	4x200 ml	2x3 M.Plate	6x50 ml	30x15 ml	24x1,5/2 ml
Maximum speed:	4.100 rpm	4.100 rpm	9.000 rpm	4.100 rpm	14.000 rpm
Maximum RCF:	3.045xg	2.349xg	9.418xg	3.007xg	18.405xg

#### NF 1200 - NF 1200R

	Swing-o	ut Rotors		Angle	Rotors	
Maximum capacity:	4x280 ml	2x3M.Plate	6x100 ml	10x10 ml	30x1,5/2 ml	24x1,5/2 ml
Maximum speed:	4.100 rpm	4.100 rpm	9.000 rpm	12.000 rpm	13.500 rpm	14.000 rpm
Maximum RCF:	3.082xg	2.349xg	8.965xg	14.167xg	20.170xg	18.405xg



# NB 5/9/20 UNSTIRRED WATER BATHS POWERED BY N-Primetm

• Three different useful volumes : 4, 7 and 15 liters

• Temperature range: Ambient temperature + 5°C / 99,9°C

• Designed for many general and special applications in microbiology,

research and industrial laboratories

• Excellent temperature control of liquid by N-Prime™ programmable PID

#### BM 30 CIRCULATED WATER BATH POWERED BY N-Primetm

- Tank volume: 30 litres
- Temperature range: Ambient Temperature +5°C / 99,9°C
- Designed for many general and special applications in
- microbiology, research and industrial laboratories
- Excellent temperature control of liquid for uniform and stable temperatures
- Powerful internal circulation pump not occupying the tank space
- N-Prime™ programmable PID microprocessor control system
- •User friendly control panel including large bright LED displays for temperature and time



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#### ND 4/12 WATER DISTILLERS

Capacity:

ND 4: 4 lt/hr, ND 12: 12 lt/hr

• Distilled water storage tank capacity:

ND 4: 8 liters, ND 8: 16 liters, ND 12: 24 liters

- New design with distilled water storage tank
- Fully automatic system with microprocessor control system
- Stainless steel boiler and condenser
- Stainless steel heaters
- Energy saving design by the distillation of heated cooling water
- Heaters protected against running without water
- •Warning leds for: High water level, insufficient water, heater failure,

half full storage tank, full storage tank

- Siliphos cartridge filter to decrease calcification on the heaters
- •Suitable for bench top use and wall mounting



# MD 72/120 /294 MEDICAL REFRIGERATORS POWERED BY N-Smart<sup>TM</sup>

•Advanced technology to store drugs, vaccines, pharmaceutical and medical products

Powerful and reliable N-Smart<sub>TM</sub> microprocessor control system
Maximum information with highly visible 4,3" colourful LCD display

• Massive data storage with internal memory that stores the records up to ten years with one hour intervals as digitally and graphically

- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- •Optional NuveCloser™ software to access the operating
- parameters, failure history, memory and other technical parameters



Capacity: MD 72: 200 liters MD 120: 306 litres MD 294: 630 liters NUVE

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KN 72/120/294 BLOOD BANK REFRIGERATORS POWERED BY N-Smarttm

•Advanced technology to store drugs, vaccines, pharmaceutical and medical products

Powerful and reliable N-Smart<sub>TM</sub> microprocessor control system
 Maximum information with highly visible 4,3" colourful LCD display

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- 2 pcs. USB port for data storage and PC
- Ethernet port for remote access through internet
- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™ software to access the operating





#### Capacity:

KN 72 : 200 liters, 72 blood bags KN 120 : 306 liters, 120 blood bags KN 294 : 630 liters, 294 blood bags



KN 72/120/294 BLOOD BANK REFRIGERATORS POWERED BY N-Smarttm

•Advanced technology to store drugs, vaccines, pharmaceutical and medical products

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- Possibility of sending e-mails in case of any failure
- Optional NuveCloser™ software to access the operating





#### Capacity:

KN 72 : 200 liters, 72 blood bags KN 120 : 306 liters, 120 blood bags KN 294 : 630 liters, 294 blood bags



# Micropipette Single Channel Half Autoclavable

# **MAIN FEATURES**

Light weight, ergonomic design. Digital display clearly reads volume setting. Wide measurement rang, 0.1ul to 10000ul. With new material, it can be fully autoclavable. Ceramic piston, high corrosion resistance. PTFE sealing ring, more convenient to use.

M Series Variable Volume Micropipette Technical Data							
Model	Volume Range	Testing Volume (μl)	Inaccuracy	Imprecision	Increment (μl)	Tips Volume	
M2.5	0.1-2.5ul	1.25	±3.00%	±0.30%	0.05	10	
M10	0.5-10ul	5	±1.50%	±1.50%	0.1	10	
M20	2-20ul	10	±1.20%	±1.20%	0.5	200	
M50	5-50ul	25	±0.90%	±0.30%	0.5	200	
M100	10-100ul	50	±1.00%	±0.15%	1	200	
M200	20-200ul	100	±0.70%	±0.15%	1	200	
M1000	100-1000ul	500	±0.80%	±0.20%	5	1000	
M5000	1000-5000ul	2500	±0.60%	±0.15%	50	5000	
M1000 0	2000-10000ul	5ml	±1.20%	±0.20%	0.1ml	10ml	



# Micropipette Single Channel Autoclavable

# **MAIN FEATURES**

Light weight, ergonomic design. Digital display clearly reads volume setting. Wide measurement range, 0.1ul to 10000ul.With new material, it can be fully autoclavable. Ceramic piston, high corrosion resistance. PTFE sealing ring, more convenient to use. JOAN

P Series Micropipette Autoclavable Technical Data							
Model	Volume Range	Testing Volume (μl)	Inaccuracy	Imprecision	lncrement (μl)	Tip volume 🖕	
		10	±1.00%	±1.00%			
P10	0.5 - 10ul	5	±1.50%	±1.50%	0.1ul	20ul	
		1	±2.50%	±2.50%			
		20	±0.90%	±0.40%			
P20	2 - 20ul	10	±1.20%	±1.00%	0.5ul	200ul	
		2	±3.00%	±2.00%			
		50	±0.60%	±0.30%			
P50	5 - 50ul	25	±0.90%	±0.60%	0.5ul	200ul	
		5	±2.00%	±2.00%			
		100	±0.60%	±0.15%			
P100	10 - 100ul	50	±0.90%	±0.40%	1ul	200ul	
		10	±2.00%	±0.10%			
		200	±0.60%	±0.15%			
P200	20 - 200ul	100	±0.80%	±0.30%	1ul	200ul	
		20	±3.00%	±1.00%			
		1000	±0.60%	±0.20%			
P1000	100 - 1000ul	500	±0.70%	±0.25%	5ul	1000ul	
		100	±1.50%	±0.70%			
		5000	±0.50%	±0.15%			
P5000	1000 - 5000ul	2500	±0.60%	±0.30%	50ul	5000ul	
		1000	±0.70%	±0.30%			
		10ml	±0.60%	±0.20%			
P10000	2000 - 10000ul	5ml	±1.20%	±0.30%	0.1ml	10ml	
		2ml	±1.50%	±0.40%			



Water Bath



# **MAIN FEATURES**

Anti-dry technology.

Concave surface to avoid liquid. No interface, no welding seam, stainless steel material. Sizes of holes can be customized. Bi-integral A/D converter.

Water Bath Technical Data							
Temp Variation (C)	Model	Chamber Capacity	Power	Temp. Distinguish Ability (⊡C)	Chamber Size		
	WB-100-1	21	200 \\	0.1.0	10-10-10-000		
	WB-100-1F	3 L	300 W	0.1 C	16x16x13 cm		
	WB-100-2		600 M/	0.1.0	20-15-14		
Room	WB-1002F	6 L	600 W	0.1 C	30x15x14 cm		
Temp. to 99.9C	WB-100-4	121	000.14/		20.20.44.54		
10 55.50	WB-100-4F	12 L	800 W	0.1 C	30x30x14 cm		
	WB-100-6	471	1200.111		45 00 40		
	WB-100-6F	17 L	1200 W	0.1 C	45x30x13 cm		



**Roller Mixer** 



# **MAIN FEATURES**

Rocking and rolling motions for complete mixing Digital Display for speed and time control Speed range of 20-80rpm Six rollers , roller length 28CM,suitable for tubes diameter 6-34MM. Digital setting for speed and time.

Model	RM-6Pro
Motor Type	Brushless Motor
Туре	Rotating Shaking
Control Mode	Digital Display with Key
Speed Range	40-80 RPM
Timing Range	1min ~ 23H, 59min
Voltage	100-240V, 50/60Hz
Power	25W
Allowed Ambient Humidity Temp.	5 ~ 40°C 80%RH
Dimension (mm)	440 x 255 x 105



# **OrbitalShaker**

# **MAIN FEATURES**



Speed: 40-200rpm for all models Digital panel with speed and time control Large working pan size with max load 5KG Continuous operation and timed operation range 1min-23h59min DC brushless motor, safe, long life and free of maintenance. Operating silent and stable .

Model	OS-20	OS-20Pro	OS-40Pro	LS-40Pro	
Motor Type	DC Motor	Brushless Motor			
Plate Size (mm)	268x268	250x250	320	x320	
Turn	Circular			Linear & Reciprocati ng	
Operation Mode	20 mm				
Max Load	2kg			5kg	
Speed Range		40-20	0 RPM		
Timing Range	1min ~ 19H, 59min	19H, 1min ~ 23H, 59min			
Display		LED D	isplay		
Power	20W	20W 30W 45W			
Voltage	100-240V, 50/60Hz				
Size (mm)	294 x 348 x 123	260 x 355 x 135 330 x 435 x 140			



### Abeyance Cryo Solutions | Preserving Potential



Abeyance produces innovative cryo solutions for life science research and therapy. Increase capacity, improve ergonomics and stay connected with simple, secure cryo storage designed for samples by users.

	A220	A440	A700	A1000
2 ml Vial Capacity				
5-2 Slim Racks	22,000   220   44	44,000   440   88	70,000   700   140	100,000   1,000   200
13-2 Square Racks	15,600   156   12	41,600   416   32	67,600   676   52	98,800   988   76
(Vials   Boxes   Racks)	•			
Outer Diameter - in (mm)	34.0 (864)	45.0 (1143)	55.0 (1397)	65.0 (1651)
Overall Height - in (mm)	58.0 (1473)	59.0 (1499)	63.0 (1600)	64.0 (1625)
Usable Height - in (mm)	30.0 (762)	30.0 (762)	30.0 (762)	30.0 (762)
Step Height - in (mm)	9.5 (241)	10.5 (267)	10.0 (254) x 2	10.5 (267) x 2
Liftover Height - in (mm)	39.5 (1003)	39.5 (1003)	34.0 (864)	34.0 (864)
LN2 Capacity	65 L	150 L	270 L	390 L
Hold Time (< Tg)	> 10 Days	> 15 Days	> 25 Days	> 25 Days

Warranty

3 Year Parts and Craftsmanship | 7 Year Vacuum Insulation

Safety / Regulatory

Conforms to UL STD 61010-1 | CSA STD C22.2 # 61010-1 | LVD (2014/35/EU)



The Ultraflow<sup>™</sup> Demand Valve is intended for the selfadministration of Medical Oxygen or Entonox® (O2/N2O gas mixtures). Each Ultraflow<sup>™</sup> Demand Valve benefits from a precision engineered and exceptionally hard ruby valve • seat. This unique design eliminates wear and ensures a leak free seal, eliminating the recurrent cost of routine maintenance.

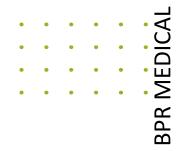
#### **Benefits**

- •Reduced patient effort. Improved patient comfort
- •Prevents expired breath entering the headset
- Prevent cross contamination
- The use of halogen free polymers significantly reduces the risk of patient exposure to toxic or explosive elements, should the regulator be exposed to high temperatures
  Minimal ongoing maintenance cost



Medical Equipment

# Demand Valve Delivery System.



SPECIFICATION	MEDICAL OXYGENDEMAND VALVE	ENTONOX®DEMAND VALVE		
Ordering Number	14786	14787		
Description	Demand Valve Medical Oxygen With BS5682 Connector & 3.0m Hose	Demand Valve Medical Analgesic With BS5682 Connector & 3.0m Hose		
Gas Compatibility	Oxygen	Entonox® (50% N <sub>2</sub> O/50% O <sub>2</sub> mixtures)		
Hose Length	3 mete	ers		
Inspiratory Resistance	<1.5 kPa (0.22 psi) at 200 l/min <0.25 kPa (0.036 psi) at 10 l/min			
Input Pressure Range	310 - 600 kPa			
Supply Flow	>120 I/min			
Demand Valve Peak Flow	>200 l/r	>200 I/min		
Service Interval	5 years			
Intended Life	10 years			
Warranty	5 yea	rs		
		netic and respiratory equipment. s. Cones and sockets		
		emblies for use with medical gases (partially sthetic and respiratory equipment. Non- /-pressure connectors for medical gases)		
	ENISO 15001:2010 - Anaesthetic and respiratory equipment - Compatibility with oxygen BS4272-2 - Anaesthetic and analgesic machines.			
	(V/V) nitrous oxide and oxygen EN149 management EN980 - Graphical symbols f	w analgesic machines for use with 50/50% 971 - Medical devices- Application of risk for use in the labeling of medical devices EN e manufacturer with medical devices		
Regulatory	FDA: Class II CE:Medical Device Directive 93/42/EEC- Active Medical Device - Class IIa Medical Device Act 2012 (Malaysia) : Class B			
Manufacturer	BPR Medical, UK			



**Medical Equipment** 

Exhalation Valve and Mouth Piece.



**BPR MEI** 

The Exhalation Valve is a patented single patient use accessory for use with Ultraflow Demand Valves. Each exhalation valve incorporates an ultralow resistance oneway valve and a viral filter, directing exhaled gas away . . from the Ultraflow handset either to atmosphere or to an AGSS. The unique design prevents cross-contamination of handsets between patients whilst providing unparalleled flow performance.

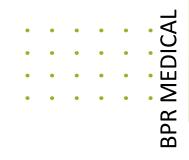
#### Benefits

- Cutting edge medical filtration media, incorporating a high efficiency electrostatic viral filter that prevents exhaled breath entering the handset
- •Prevent cross contamination
- •Unique ultra-low resistance one-way valve
- •Exhalation Valve is sealed securely to the handset with two snap fit clips, which when lifted, release the exhalation valve quickly and simply for disposal



Medical Equipment

# Exhalation Valve and Mouth Piece.



SPECIFICATION	EXHALATION VALVE & MOUTH PIECE
Ordering Number	14790
Description	Exhalation Valve & Mouth Piece, Single Use Per patient
Gas Compatibility	Medical Oxygen or Entonox® (O2/N2O mixtures)
Peak Flow	>250 liter per minute
Filtration	High efficiency electrostatic viral filtration media
Intended Life	30 days after first use by the same patient
Shelf Life	5 years
Inlet Connection	Proprietary interface
Delivery Connection	22 mm male conical to ENISO5356-1:2004
Regulatory	ECRIsource code 17169 GMDN Code 17169 MDD class IIa Medical Device Act 2012 (Malaysia) : Class B
Packaging	100pcs (single wrap) per box
Manufacturer	BPR Medical, UK

### **RAPID TEST KIT**



Catalog No.	Product Name	Format	Test/Kit
PR-DEN-1	ProDetect™ Dengue NS1 Ag Rapid Test*	Cassette	25
PR-DEN-2	ProDetect™ Dengue IgG/IgM Rapid Test*	Cassette	25
PR-DEN-3-1	ProDetect™ Dengue Duo NS1 Ag & IgG/IgM Rapid Test*	Cassette	10
PR-DEN-3-2	ProDetect™ Dengue Duo NS1 Ag & IgG/IgM Rapid Test*	Cassette	25
PR-ZIKA	ProDetect™ Zika Rapid Test*	Cassette	25
PR-GAST-1	ProDetect™ Rotavirus Rapid Test*	Cassette	25
PR-GAST-2	ProDetect™ Adenovirus Rapid Test*	Cassette	25
PR-FLU	ProDetect™ Flu A & B Rapid Test*	Casset <mark>te</mark>	25
PR-TYPH	ProDetect™ Typhoid/Paratyphoid Rapid Test*	Casset <mark>te</mark>	25
PHA5021S-4	ProDetect <sup>™</sup> hCG Pregnancy Rapid Test (Strip 25mIU/mL)*	Strip	100
PHA5021S-5	ProDetect <sup>™</sup> hCG Pregnancy Rapid Test (Strip 25mIU/mL)*	Strip	100
PHA5021C	ProDetect <sup>™</sup> hCG Pregnancy Rapid Test (Cassette 25mIU/mL)*	Casset <mark>te</mark>	40
PIA5025C	ProDetect™ Fecal Occult Blood (FOB) Rapid Test*	Casset <mark>te</mark>	30

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# RANDOX

#### RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME

#### General Clinical Chemistry Programme With target scoring

RQ9112 (5 ml) 10 Parameters only Samples every 2 weeks, 2 x 6 monthly c	RQ9112/S (5 ml) 17 Parameters only ycles, 12 month subscription, referen	RQ9113 (5 ml) Full 52 Parameters nce method values	
ACE (Angiotensin Converting Enzyme)	Calcium	HBDH	PSA
Acid Phosphatase (Prostatic)	Calcium (Ionised)	HDL-Cholesterol	Sodium
Acid Phosphatase (Total)	Chloride	Iron	TIBC
Albumin	Cholesterol	Lactate	T <sub>3</sub> (Free)
Alkaline Phosphatase	Cholinesterase	LD (LDH)	T <sub>3</sub> (Total)
ALT (ALAT)	CK,Total (CPK)	Lipase	T <sub>4</sub> (Free)
Amylase (Pancreatic)	Copper	Lithium	T, (Total)
Amylase (Total)	Creatinine	Magnesium	Triglycerides
AST (ASAT)	D-3-Hydroxybutyrate	NEFA	TSH
Bicarbonate	Fructosamine	Osmolality	UIBC
Bile Acids	yGT	Phosphate (Inorganic)	Urea
Bilirubin (Direct)	GLDH	Potassium	Uric Acid
Bilirubin (Total)	Glucose	Protein (Total)	Zinc

#### Glycated Haemoglobin Programme (HbAlc) with target scoring

RQ9129 (0.5ml) 2 Parameters Samples every month, 1 x 12 month	cycle, 12 month subscription		
HbAIc	Total Haemoglobin		
Haematology Progr	amme With target scoring		
RQ9118 (2 ml) 11 <b>Parameters</b> Samples every 2 weeks, 2 x 6 month	nly cycles, 12 month subscription		
Haematocrit (HCT) Haemoglobin (Hb) Mean Cell Haemoglobin (MCH)	Mean Cell Haemoglobin Concentration (MCHC) Mean Cell Volume (MCV) Mean Platelet Volume (MPV)	Platelets (PLT) Plateletcrit (PCT) Red Blood Cell Count (RBC)	Red Cell Distribution Width (RDW) Total White Blood Cell Count (WBC)
Human Urine Progr	amme With target scoring		
RQ9115 (10 ml) 25 Parameters Samples every 2 weeks, 2 x 6 month	nly cycles, 12 month subscription		
ACR Albumin/Microalbumin Amylase Calcium Chloride Copper Cortisol	Creatinine Dopamine Epinephrine Glucose Metanephrine Norepinephrine	Normetanephrine Magnesium Osmolality Oxalate Phosphate (Inorganic) Potassium	Protein (Total) Sodium Urea Uric Acid VMA S-HIAA

#### ESR Programme+

RQ9163 (4.5 ml) I **Parameter** 2 samples per quarterly distribution, I x 12 month cycle, 12 months subcription

ESR (Erythrocyte Sedimentation Rate)

# RANDOX

#### RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME

#### Immunoassay Programme With target scoring

RQ9125/a (5 ml) 4 Parameters only (choose from 55) Samples every two weeks, 2 x 6 mont Samples every month, 1 x 12 month cy	RQ9125/b (5 ml) 13 Parameters only (choose from 55) hly cycles, 12 month subscription (RQ9125/a, 1 ycle, 12 month subscription (RQ9130)	RQ9125/c (5 ml) Full 55 Parameters RQ9125/b, RQ9125/c)	RQ9130 (5 ml) Full 55 Parameters
ACTH AFP Aldosterone Amikacin Androstenedione -2-Microglobulin CA125 CA15-3 CA15-3 CA19-9 Carbamazepine CEA Cortisol	DHEA Unconjugated Digoxin Estriol Total* Ethosuximide* Ferritin Folate FSH Gentamicin GH hCG IgE Insulin	17-OH-Progesterone Paracetamol Phenobarbital Phenytoin Primidone* Progesterone Prolactin PSA (Free) PSA (Total) PTH Salicylate SHBG	T <sub>4</sub> (Free) T <sub>4</sub> (Total) Testosterone (Free)* Testosterone (Total) Theophylline Thyroglobulin Tobramycin* TSH ValproicAcid Vanoomycin Vitamin B12 I-25-(OH) <sub>2</sub> -Vitamin D*
C-Peptide DHEA-Sulphate	LH Oestradiol	T <sub>3</sub> (Free) T <sub>3</sub> (Total)	25-0H-Vitamin D

#### Lipid Programme With target scoring

RQ9126/a (3 ml) 3 Parametersonly (choose from 7) Samples every 2 weeks, 2 x 6 monthly cycl	RQ9126/b (3 ml) Full 7 Parameters es, 12 month subscription		
Apolipoprotein Al	Cholesterol (Total)	LDL-Cholesterol	Triglycerides
Apolipoprotein B	HDL-Cholesterol	Lipoprotein (a)	

# RANDOX THIRD PARTY CONTROLS CLINICAL CHEMISTRY

Precision Chemistry Premium Plus Level 220Precision Chemistry Premium Plus Level 320Liquid Chemistry Premium Level 212Liquid Chemistry Premium Level 312Liquid Chemistry Premium Plus Level 112Liquid Chemistry Premium Plus Level 112Liquid Chemistry Premium Plus Level 212Liquid Chemistry Premium Plus Level 312Liquid Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 312Liquid Assayed Chemistry Premium Plus Level 112	0 x 5 ml 2 x 10 ml 2 x 10 ml 2 x 10 ml 2 x 10 ml 0 x 5 ml 0 x 5 ml x 5 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml	Cat. No. UN1557 UE1558 LUN5048 LUE5049 LUL5069 LUL5069 LUS5070 LUE5071 LUL5093 LUN5094 LUE5095 HN1530 HE1532 HS2611 HN5067
Precision Chemistry Premium Plus Level 320Liquid Chemistry Premium Level 212Liquid Chemistry Premium Level 312Liquid Chemistry Premium Plus Level 112Liquid Chemistry Premium Plus Level 212Liquid Chemistry Premium Plus Level 312Liquid Chemistry Premium Plus Level 212Liquid Chemistry Premium Plus Level 312Assayed Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 2 & 32xChemistry Premium Plus Level 2 & 312Liquid Assayed Chemistry Premium Level 312Liquid Assayed Chemistry Premium Level 312Liquid Assayed Chemistry Premium Plus Level 112	0 x 5 ml 2 x 10 ml 2 x 10 ml 2 x 10 ml 2 x 10 ml 0 x 5 ml 0 x 5 ml x 5 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml	UE1558 LUN5048 LUE5049 LUL5069 LUN5070 LUE5071 LUL5093 LUN5094 LUE5095 HN1530 HE1532 HS2611
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Liquid Chemistry Premium Plus Level 112Liquid Chemistry Premium Plus Level 212Liquid Chemistry Premium Plus Level 312Assayed Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 321Chemistry Premium Plus Level 2 & 321Chemistry Premium Level 212Chemistry Premium Level 312Liquid Assayed Chemistry Premium Plus Level 112	2 x 10 ml 2 x 10 ml 2 x 10 ml 0 x 5 ml 0 x 5 ml x 5 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml	LUL5093 LUN5094 LUE5095 HN1530 HE1532 HS2611
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Liquid Chemistry Premium Plus Level 312Assayed Chemistry Premium Plus Level 220Assayed Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 2 & 32xChemistry Premium Level 212Chemistry Premium Level 312Liquid Assayed Chemistry Premium Level 112	2 x 10 ml 0 x 5 ml x 5 ml x 5 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml	LUE5095 HN1530 HE1532 HS2611
Assayed Chemistry Premium Plus Level 220Assayed Chemistry Premium Plus Level 320Assayed Chemistry Premium Plus Level 2 & 32xChemistry Premium Level 212Chemistry Premium Level 312Liquid Assayed Chemistry Premium Level 112	0 x 5 ml 0 x 5 ml 2 x 5 ml	HN1530 HE1532 HS2611
Assayed Chemistry Premium Plus Level 3       20         Assayed Chemistry Premium Plus Level 2 & 3       2 x         Chemistry Premium Level 2       12         Chemistry Premium Level 3       12         Liquid Assayed Chemistry Premium Level 2       12         Liquid Assayed Chemistry Premium Level 3       12         Liquid Assayed Chemistry Premium Level 3       12         Liquid Assayed Chemistry Premium Plus Level 1       12	0 x 5 ml x 5 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml	HE1532 HS2611
Assayed Chemistry Premium Plus Level 2 & 32 xChemistry Premium Level 212Chemistry Premium Level 312Liquid Assayed Chemistry Premium Level 312Liquid Assayed Chemistry Premium Level 312Liquid Assayed Chemistry Premium Plus Level 112	x 5 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml 2 x 5 ml	HS2611
Chemistry Premium Level 2     12       Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Level 1     12	2 x 5 ml 2 x 5 ml 2 x 5 ml	
Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Level 2     12       Liquid Assayed Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Plus Level 1     12	2 x 5 ml 2 x 5 ml	HN5067
Chemistry Premium Level 312Liquid Assayed Chemistry Premium Level 212Liquid Assayed Chemistry Premium Level 312Liquid Assayed Chemistry Premium Plus Level 112	2 x 5 ml	
Liquid Assayed Chemistry Premium Level 2     12       Liquid Assayed Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Plus Level 1     12		HE5068
Liquid Assayed Chemistry Premium Level 3     12       Liquid Assayed Chemistry Premium Plus Level 1     12		LAN4216
Liquid Assayed Chemistry Premium Plus Level 1 12	2 x 5 ml	LAE4217
	2 x 5 ml	LAL4213
Liquid Assayed Chemistry Premium Plus Level 2 12		LAN4214
	2 x 5 ml	LAE4215
		AL1027
		AN1026
		AE1032
		SL1084
·		SN1085
		SE1086
,		CAL2350
		CAL2351
		EA1366
		EA1367
		EA1368
		AD5000
		AD5001
		AD5002
		BF454
		BR10172
•		BR10172
		GY1369
•		MC1382
		MC1379
		MC1380
		MC1381
		GM1376
		GM1377
		GM1378
		GM1375
		TXB5125
		TXB5126
		TXB5120
		TXB3127
		TXB2814
	X 100 mil	1702014

Liquid frozen

Lyophilised for enhanced stability

Assayed target values provided

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# EQA & IQC

### **COAGULATION AND HAEMATOLOGY**

Coagulation and Haematology Product Range			
Product Description	Size	Cat. No.	
Coagulation Control Level 1	12 x 1 ml	CG5021	
Coagulation Control Level 2	12 x 1 ml	CG5022	
Coagulation Control Level 3	12 x 1 ml	CG5023	
Coagulation Calibrator	10 x 1 ml	CG5037	
Haematology Control	3 x 2 x 4.5 ml	HM5162	

#### **DIABETES AND WHOLE BLOOD**

Diabetes and Whole Blood Product Range			
Size	Cat. No.		
2 x 2 x 0.5 ml	HA5072		
5 x 2 ml, l x 8 ml	HA3444		
2 x 2 x 0.5 ml	HA10155		
6 x 0.5 ml	PD2617		
6 x 0.5 ml	PD2618		
3 x l ml	FR2994		
3 x l ml	FR2996		
3 x l ml	FR2993		
2 x 2 x 0.2 ml	HA5083		
3 x l ml	AO2801		
3 x l ml	AO2802		
4 x l ml	AO2800		
	Size           2 × 2 × 0.5 ml           5 × 2 ml, 1 × 8 ml           2 × 2 × 0.5 ml           6 × 0.5 ml           6 × 0.5 ml           3 × 1 ml           3 × 1 ml           2 × 2 × 0.2 ml           3 × 1 ml		











provided [009