ALFA
DIAGNOSTIK

Product Catalog

PROFESSIONAL I DIVERSIFIED I INNOVATIVE

TABLE OF CONTENT

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

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

TYPE : SODIUM FLOURIDE

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

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

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

![IMPROVE HUMAN HEALTH WE CARE logo]

Pediatric Blood Collection Tube

TYPE	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
K2EDTA	LAVENDER	0.5ml	50/1000
SODIUM FLOURIDE/ GLUCOSE	GREY	0.5ml	50/1000

Microbiology Transport System

TYPE	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

HUMAN HEALTH WE CARE

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

HUMAN HEALTH
WE CARE

Blood Colection System

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

![IMPROVE | HUMAN HEALTH WE CARE]

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
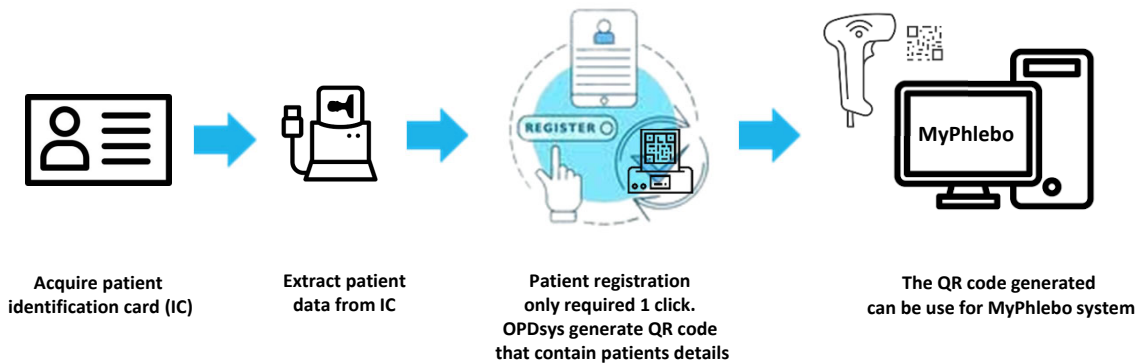
PRE ANALYTICAL SOLUTION

OPDsys© 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

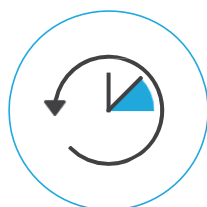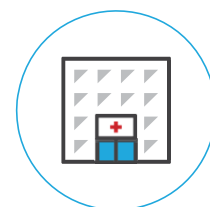| Acquire patient identification card (IC) | Extract patient data from IC | Patient registration only required 1 click. OPDsys generate QR code that contain patients details | The QR code generated can be use for MyPhlebo system |

OPDsys Benefits

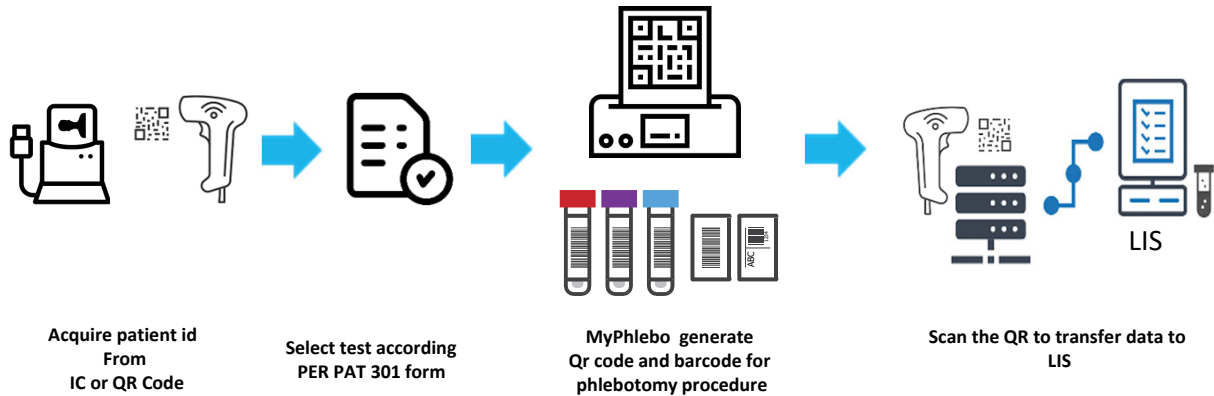| Prevent Identification Errors | Cut Wait Time | Improved Convenience | Enhanced Image |

PRE ANALYTICAL SOLUTION

MyPhlebo© System

MyPhlebo Software is state-of-the-art software for Pre-Analytical Management System focusing on the medical error that have been identified mainly contributing to the error in the pre-analytical section due to manual processing of sample container preparation and lab registration for diagnostic process. Reported cases such as patient identification error, labelling error (switched barcode/patient label), mislabeling of the test tube, sample collection error and mishandling of samples.

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.

MyPhlebo Workflow

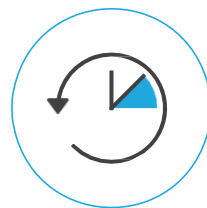| Acquire patient id From IC or QR Code | Select test according PER PAT 301 form | MyPhlebo generate Qr code and barcode for phlebotomy procedure | Scan the QR to transfer data to LIS |

MyPhlebo Benefits

Prevent Identification Errors

Fast and Accurate Data Entry

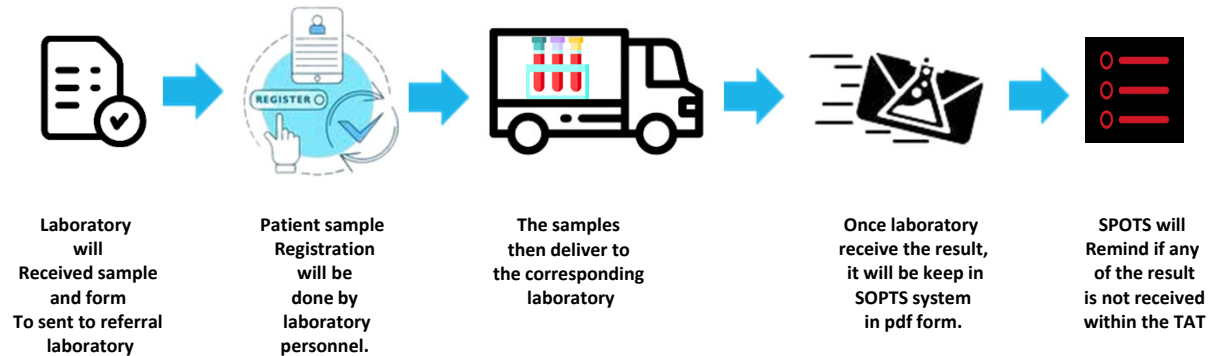Cut Patient Waiting Time

Enhanced Image

PRE ANALYTICAL SOLUTION

Spots© 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.

SPOTS Workflow

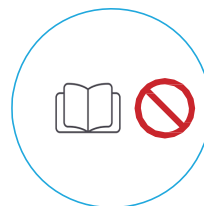| Laboratory will Received sample and form To sent to referral laboratory | Patient sample Registration will be done by laboratory personnel. | The samples then deliver to the corresponding laboratory | Once laboratory receive the result, it will be keep in SOPTS system in pdf form. | SPOTS will Remind if any of the result is not received within the TAT |

SPOTS Benefits

| Prevent Identification Errors | Fast and Accurate Data Entry | No manual data keeping | Result can be deliver according to the TAT |

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

Prevent medical accidents

Cut down waiting time

Cost reduction

Improve operation efficiency

ENERGIUM

Automated Pre-Analytical Traceability Solution

hen^m 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 Information System).

HIS (LIS, EMR) → Information delivery → HENm → supply → Phlebotomy apparatus → Use → Phlebotomy
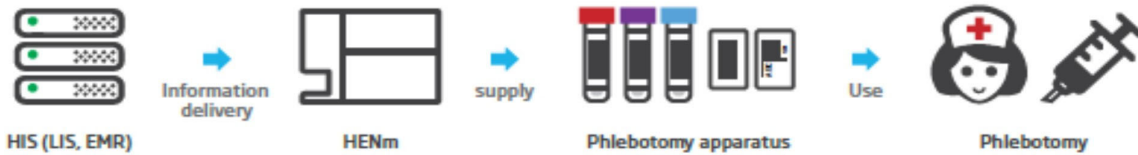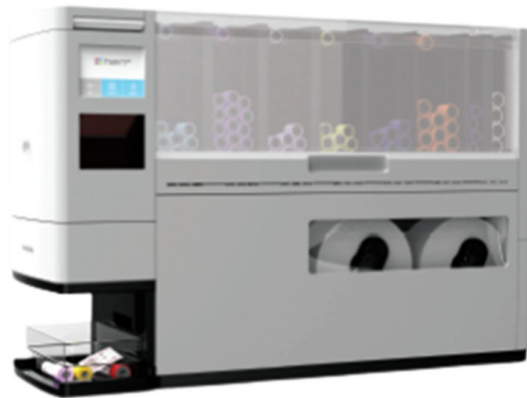
Benefits

Prevent demographic error

Cut patient wating time

Cut sample processing time

Save reduction

Improve staff work quality

Improve institution image

ENERGIUM

Automated Pre-Analytical Traceability Solution

GNT9 Series

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

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

System Reagent for Beckman Coulter Au Series

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
- 2-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	ETHANOL
AMYLASE	G-6-PDH
ACID PHOSPHATE	G-GT
ADENOSINE DEAMINASE	HDL-CHOLESTROL
ALBUMIN	IRON
ALDOLASE	LACTATE
ALKALINE PHOSPHATE	LDH L-P
ALT/SGPT	LDH P-L
AMMONIA	LDL– CHOLESTROL
AST/SGOT	LYSOZYME
BILIRUBIN DIRECT	MAGNESIUM
BILIRUBIN TOTAL	PHOSPHATE
CALCIUM	PHOSPHOLIPIDS
CHOLESTROL	TOTAL ANTIOXIDANTS
CHOLINESTRASE	TOTAL PROTEIN
CK	TRIGLYCERIDES
CK-MB	UIBC
CREATININE	UREA
CREATININE, ENZ	URIC ACID

medicon

System Reagent for Beckman Coulter Au Series

SPECIFIC PROTEIN

A1– ANTITRYPSIN	HAPTOGLOBIN
A1– MICROGLOBULIN	HbA1c
A2– MICROGLOBULIN	IgA
A –FETOPROTEIN	IgE
ANTITHROMBIN III	IgM
APO A1	IgG
APO B	X LIGHT CHAIN
ASO	λ LIGHT CHAINS
B2– MICROGLOBULIN	Lp (a)
C3	MICROALBUMIN
C4	PLASMINOGEN
CERULOPLASMIN	PREALBUMIN
CRP	RF
CRP LATEX	RBP
CYSTATIN—C	SERUM AMYLOID a
D –DIMER	sTfR
FERRITIN	TAC
FIBRINOGEN	TRANSFERRIN

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
Calibrators, Standards, & Reagents					
21-101	AUH1011	ISE Buffer	All Olympus AU Series	4x2000mL	4x2000mL
21-102	AUH1012	ISE Mid-Standard	All Olympus AU Series	4x2000mL	4x2000mL
21-103	AUH1013	ISE Reference	All Olympus AU Series	4x1000mL	4x1000mL
21-104	AUH1014	ISE Low Standard	All Olympus AU Series	4x100mL	4x100mL
21-105	AUH1015	ISE High Standard	All Olympus AU Series	4x100mL	4x100mL
21-106	AUH1016	Low/High Urine Standard	AU600, AU800, AU1000	4x100mL	4x100mL
21-107	AUH1017	Internal Reference Fill Solution	All Olympus AU Series	2x25mL	2x25mL
21-108	AUH1018	Na/K Selectivity Option	All Olympus AU Series	2x25mL	2x25mL
21-109	AUH1019	Cleaning Solution	All Olympus AU Series	4x100mL	4x100mL
21-110	OSR0001	Wash Solution	All Olympus AU Series	6x2000mL	6x2000mL
Specialty Calibrators & Controls					
E-900	MU9195	K Electrode	All Olympus AU Series	Each	Each
E-910	MU9197	Ref Electrode	All Olympus AU Series	Each	Each
E-920	MU9196	Cl Electrode	All Olympus AU Series	Each	Each
E-930	MU9194	Na Electrode	All Olympus AU Series	Each	Each
Electrodes & Accessories					
PH7000	-------	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	----------
PH7001	-------	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	----------
6001	-------	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	----------
6002	-------	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	----------

Laboratory and Sterilization Equipment

EC 160 CO_2 INCUBATOR POWERED BY

N-Smart™

- Chamber Volume : 160 liters

- Temperature range: Ambient Temperature +7°C to 50°C

- Temperature variation / fluctuation: ± 0,3°C / ± 0,1°C at 37°C

- Programmable temperature alarm range: ± 0,5°C to 5°C

- Air jacketed heating system

- RaPIDcell™ fast temperature recovery without overshoot

- CO_2 Range: 0 to 20 % CO_2

- CO_2 Variation / Fluctuation: ± 0,3 % / ± 0,1%

- Programmable CO_2 alarm range: ± 0,5 % to 5 %

DF 290/490/590 ULTRA LOW TEMPERATURE FREEZERS

FR 290/490/590 DEEP FREEZERS POWERED BY N-Smart™

- 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-Smart™ 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

Laboratory and Sterilization Equipment

NF 024 MICROLITRE CENTRIFUGE

• Maximum capacity: 12x1,5/2 ml

• Maximum speed: 15.000 rpm

• Maximum RCF: 15.596xg

• Programmable microprocessor control system

• 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	Haematocrit Rotor
Maximum capacity :	24x1 5/2 ml	24xcapillary tubes
Maximum speed :	14.000 rpm	12.000 rpm
Maximum RCF :	18.188xg	14.811xg

• 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™

• 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

NUVE

Laboratory and Sterilization Equipment

NF400-NF400R ,NF800 – NF800R ,NF1200 – NF1200R, BENCH TOP CENTRI-FUGES POWERED BY N-PrimeTM

- N-PrimeTM 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 Rotors		
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-out 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

Laboratory and Sterilization Equipment

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-PrimeTM 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-PrimeTM programmable PID microprocessor control system

•User friendly control panel including large bright LED displays for

temperature and time

Laboratory and Sterilization Equipment

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

Laboratory and Sterilization Equipment

MD 72/120 /294

MEDICAL REFRIGERATORS

POWERED BY N-SmartTM

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

Laboratory and Sterilization Equipment

KN 72/120/294

BLOOD BANK

REFRIGERATORS

POWERED BY N-Smart™

- Advanced technology to store drugs, vaccines, pharmaceutical and medical products
- Powerful and reliable N-Smart™ 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

Capacity:

KN 72 : 200 liters, 72 blood bags

KN 120 : 306 liters, 120 blood bags

KN 294 : 630 liters, 294 blood bags

Laboratory and Sterilization Equipment

KN 72/120/294

BLOOD BANK

REFRIGERATORS

POWERED BY N-Smart™

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

- • Powerful and reliable N-Smart™ microprocessor control system

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Capacity:

KN 72 : 200 liters, 72 blood bags

KN 120 : 306 liters, 120 blood bags

KN 294 : 630 liters, 294 blood bags

JOANLAB®
Joan Lab Equipment Co., Ltd.

General Laboratory Equipment

MAIN FEATURES

Vshhg#730533usp #ru#do#p rghov#
Gljlwdo#sdqho#zlwk#vshhg#dqg#wlph#frqwuro#
Odujh#zrunlqj#sdq#vl}h#zlwk#pd{#ordg 8NJ
Frqwlqxrxv#rshudwlrq#dqg#wlphg#rshudwlrq udqjh4p lq0
56k8<p lq GF#euxvkohvv#prwru/#vdih/#orqj#olih#dqg#iuhh#ri#
p dlqwhqdqfh1#R shudwlqj#vlohqw#dqg vwdeoh

Model	OS-20	OS-20Pro	OS-40Pro	LS-40Pro
Motor Type	DC Motor	Brushless Motor		
Plate Size (mm)	268x268	250x250	320x320	
Turn	Circular			Linear & Reciprocating
Operation Mode	20 mm			
Max Load	2kg		5kg	
Speed Range	40-200 RPM			
Timing Range	1min ~ 19H, 59min	1min ~ 23H, 59min		
Display	LED Display			
Power	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	

JOANLAB ®
Joan Lab Equipment Co., Ltd.

General Laboratory Equipment

P lfurslshwwh#Vlqjoh#Fkdqqho

Kdoi#Dxwrfodydeoh

P DIQ#IHDWXUHV

Oljkw#zhljkw/#hujrqrplf#ghvljq1#Gljlwdo#glvsod|#fohduo|#

uhdgv#yroxp h#vhwwlqj1#Z lgh#p hdvxuhp hqw#udqj/#314xo#wr#

43333xo#Z lwk#ghz #p dwhuldo/#lw#fdq#eh#ixoo|#dxwrfodydeoh1#

Fhudp lf#slvwrq/#kljk#frurvlrq#uhvlvwdqfh1#SWIH#vhddlqj#

ulqj/#p ruh#frqyhqlhqw#wr#xvh1

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
M10000	2000-10000ul	5ml	±1.20%	±0.20%	0.1ml	10ml

General Laboratory Equipment

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Fhudp lf#slvwrq/#kljk#fruurvlrq#uhvlvwdqfh1SWIH#vhdolqj#
ulqj/#p ruh#frqyhqlhqw#wrxvh1

P Series Micropipette Autoclavable Technical Data					
Model	Volume Range	Testing Volume (µl)	Inaccuracy	Imprecision	Increment (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%		

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General Laboratory Equipment

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fxvwrp l}hg1#El0qwhjudo#D2G#frqyhuwhu1

Water Bath Technical Data					
Temp Variation (C)	Model	Chamber Capacity	Power	Temp. Distinguish Ability (C)	Chamber Size
Room Temp. to 99.9C	WB-100-1	3 L	300 W	0.1 C	16x16x13 cm
	WB-100-1F				
	WB-100-2	6 L	600 W	0.1 C	30x15x14 cm
	WB-1002F				
	WB-100-4	12 L	800 W	0.1 C	30x30x14 cm
	WB-100-4F				
	WB-100-6	17 L	1200 W	0.1 C	45x30x13 cm
	WB-100-6F				

General Laboratory Equipment

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Gljlwdo#Glvsod|#iru#vshhg#dqg#wlph#frqwuro
Vshhg#udqjh#ri#530;3usp #Vl{#urohuv#/#urohu#ohqjwk#
5;FP /vxlwdeoh#iru#wxehv#gldphwhu#9067PP1
Gljlwdo#vhwwlqj#iru#vshhg#dqg#wlph1

Model	RM-6Pro
Motor Type	Brushless Motor
Type	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℃ 80%RH
Dimension (mm)	440 x 255 x 105

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General Laboratory Equipment

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Frqwlqxrxv#rshudwlrq#dqg#wlp hg#rshudwlrq#udqjh#4p lq0
56k8<p lq#GF #euxvkohvv#p rwru/vdih/orqj#dlh#dqg#uhh#ri#
p dlqwhqdqfh1#R shudwlqj#vlohqw#dqg#vwdeoh1

Model	OS-20	OS-20Pro	OS-40Pro	LS-40Pro
Motor Type	DC Motor	Brushless Motor		
Plate Size (mm)	268x268	250x250	320x320	
Turn	Circular			Linear & Reciprocating
Operation Mode	20 mm			
Max Load	2kg		5kg	
Speed Range	40-200 RPM			
Timing Range	1min ~ 19H, 59min	1min ~ 23H, 59min		
Display	LED Display			
Power	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

Abeyance Cryo Solutions | Preserving Potential

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vflhqfh#uhvhdufk#dqg#wkhuds|1#Qqfuhdvh#fdsdflw|/#
lp suryh#hujrqrplfv#dqg#vwd|#frqqhfwhg#zlwk#vlp soh/#
vhfxuh#fu|r vwrudjh#ghvljqhg#iru#vdp sohv#e|#xvhuv1

	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)			

![bpr MEDICAL GAS CONTROL logo]

Medical Equipment

Firesafe™ Flowmeter.

An increased risk of fire is an unfortunate and all too common problem associated with oxygen therapy. Firesafe™ devices help reduce this risk by isolating the oxygen flow and extinguishing a fire tracking back along the oxygen delivery tubing. Firesafe™ devices can be installed directly in the oxygen delivery circuit and at the interface with the oxygen supply equipment

The benefits of Firesafe™
• Reduce the rate at which the fire spreads and the potential impact on other residents, patients or healthcare workers
• Prevent fire reaching the supply source
• Minimise the size of the fire and the cost of restoration
• Buy valuable time to evacuate people from the scene

Medical Equipment

Firesafe™ Flowmeter.

SPECIFICATION	FIRESAFE™ FLOWMETERS, MEDICAL OXYGEN			
Ordering Number	14801	14806	14808	14809
Description	Firesafe™ Flowmeter, O₂, Single-Direct	Firesafe™ Flowmeter, O₂, Dual-Direct	Firesafe™ Flowmeter, O₂, Single-Indirect	Firesafe™ Flowmeter, O₂, Dual-Indirect
Flow Range	0 to 15 liter per minute			
Gas Compatibility	Oxygen			
Inlet Connection	BS 5682			
Connection Type	Single Direct	Dual Direct	Single Indirect	Dual Indirect
Hose Length	NIL		1.5 meter	
Nominal Inlet Pressure	400 kPa			
Input Pressure Range	370 – 550 kPa			
Over Pressure Valve Set Point	Nominally 700 kPa (550 kPa min to 800 kPa max)			
Maximum Flow	Flush flow mode : 25 –30 liter per minute			
Accuracy at Nominal Pressure	± 10% of indicated reading between 1 and 15 liter per minute			
Effect on Temperature on Accuracy	3% flow increase/decrease per 5ºC temperature increase/decrease			
Effect of Inlet Pressure on Accuracy	4% increase/decrease per 10 kPa increase/decrease from nominal pressure			
Effect of Outlet Flow Resistance on Accuracy	Negligible up to 230 kPa gauge back pressure			
Flowsafe Valve Operating Pressure Range	370 – 550 kPa			
Inlet Filtration	25 µm			
Regulatory	FDA: Class 1 ŒE: Medical Device Directive 93/42/EEC –Active Medical Device –Class IIa Medical Device Act 2012 (Malaysia) – Class B			
Warranty	7 years against manufacturing defect			
Manufacturer	BPRMedical, United Kingdom			

![bpr MEDICAL GAS CONTROL]

Medical Equipment

Firesafe™ Flowmeter.

SPECIFICATION	FIRESAFE™ FLOWMETERS, MEDICAL AIR
Ordering Number	14807
Description	Firesafe™ Flowmeter, Medical Air, Single-Direct
Flow Range	0 to 15 liter per minute
Gas Compatibility	Medical Air
Inlet Connection	BS 5682
Connection Type	Single Direct
Nominal Inlet Pressure	400 kPa
Input Pressure Range	370 – 550 kPa
Over Pressure Valve Set Point	Nominally 700 kPa (550 kPa min to 800 kPa max)
Maximum Flow	Flush flow mode : 25 –30 litre per minute
Accuracy at Nominal Pressure	± 10% of indicated reading between 1 and 15 litre per minute
Effect on Temperature on Accuracy	3% flow increase/decrease per 5ºC temperature increase/decrease
Effect of Inlet Pressure on Accuracy	4% increase/decrease per 10 kPa increase/decrease from nominal pressure
Effect of Outlet Flow Resistance on Accuracy	Negligible up to 230 kPa gauge back pressure
Flowsafe Valve Operating Pressure Range	370 – 550 kPa
Inlet Filtration	25 μm
Regulatory	FDA: Class 1 Œ: Medical Device Directive 93/42/EEC –Active Medical Device –Class IIa Medical Device Act 2012 (Malaysia) – Class B
Warranty	7 years against manufacturing defect
Manufacturer	BPR Medical, UK

![bpr MEDICAL GAS CONTROL logo]

Medical Equipment

Demand Valve Delivery System.

The Ultraflow™ Demand Valve is intended for the self-administration of Medical Oxygen or Entonox® (O2/N2O gas mixtures). Each Ultraflow™ 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

![bpr MEDICAL GAS CONTROL logo]

Medical Equipment

Demand Valve Delivery System.

SPECIFICATION	MEDICAL OXYGEN DEMAND 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_2O/50% O_2 mixtures)
Hose Length	3 meters	
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 l/min	
Demand Valve Peak Flow	>200 l/min	
Service Interval	5 years	
Intended Life	10 years	
Warranty	5 years	
Applied standards	EN ISO 5356-1:2004 - Anaesthetic and respiratory equipment. Conical connectors. Cones and sockets EN ISO 5359 :2008 Low-pressure hose assemblies for use with medical gases (partially replaced by BS EN 15908:2010 Anaesthetic and respiratory equipment. Non-interchangeable screw-threaded (NIST) low-pressure connectors for medical gases) EN ISO 15001:2010 - Anaesthetic and respiratory equipment - Compatibility with oxygen BS4272-2 - Anaesthetic and analgesic machines. Specification for intermittent (demand) flow analgesic machines for use with 50/50% (V/V) nitrous oxide and oxygen EN14971 - Medical devices- Application of risk management EN980 - Graphical symbols for use in the labeling of medical devices EN 1041 - Information supplied by the 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.

The Exhalation Valve is a patented single patient use accessory for use with Ultraflow Demand Valves. Each exhalation valve incorporates an ultralow resistance one-way 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 EN ISO 5356-1:2004
Regulatory	ECRI source 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*	Cassette	25
PR-TYPH	ProDetect™ Typhoid/Paratyphoid Rapid Test*	Cassette	25
PHA5021S-4	ProDetect™ hCG Pregnancy Rapid Test (Strip 25mIU/mL)*	Strip	100
PHA5021S-5	ProDetect™ hCG Pregnancy Rapid Test (Strip 25mIU/mL)*	Strip	100
PHA5021C	ProDetect™ hCG Pregnancy Rapid Test (Cassette 25mIU/mL)*	Cassette	40
PIA5025C	ProDetect™ Fecal Occult Blood (FOB) Rapid Test*	Cassette	30

RANDOX

RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME

General Clinical Chemistry Programme *With target scoring*

RQ9112 (5 ml)	RQ9112/S (5 ml)	RQ9113 (5 ml)
10 Parameters only	17 Parameters only	Full 52 Parameters
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription, reference 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_3 (Free)
Alkaline Phosphatase	Cholinesterase	LD (LDH)	T_3 (Total)
ALT (ALAT)	CK, Total (CPK)	Lipase	T_4 (Free)
Amylase (Pancreatic)	Copper	Lithium	T_4 (Total)
Amylase (Total)	Creatinine	Magnesium	Triglycerides
AST (ASAT)	D-3-Hydroxybutyrate	NEFA	TSH
Bicarbonate	Fructosamine	Osmolality	UIBC
Bile Acids	γGT	Phosphate (Inorganic)	Urea
Bilirubin (Direct)	GLDH	Potassium	Uric Acid
Bilirubin (Total)	Glucose	Protein (Total)	Zinc

Glycated Haemoglobin Programme (HbA1c) *With target scoring*

RQ9129 (0.5ml)
2 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

HbA1c	Total Haemoglobin

Haematology Programme *With target scoring*

RQ9118 (2 ml)
11 Parameters
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

Haematocrit (HCT)	Mean Cell Haemoglobin Concentration (MCHC)	Platelets (PLT)	Red Cell Distribution Width (RDW)
Haemoglobin (Hb)	Mean Cell Volume (MCV)	Plateletcrit (PCT)	Total White Blood Cell Count (WBC)
Mean Cell Haemoglobin (MCH)	Mean Platelet Volume (MPV)	Red Blood Cell Count (RBC)	

Human Urine Programme *With target scoring*

RQ9115 (10 ml)
25 Parameters
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

ACR	Creatinine	Normetanephrine	Protein (Total)
Albumin/Microalbumin	Dopamine	Magnesium	Sodium
Amylase	Epinephrine	Osmolality	Urea
Calcium	Glucose	Oxalate	Uric Acid
Chloride	Metanephrine	Phosphate (Inorganic)	VMA
Copper	Norepinephrine	Potassium	5-HIAA
Cortisol			

ESR Programme+

RQ9163 (4.5 ml)
1 Parameter
2 samples per quarterly distribution, 1 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)	RQ9125/b (5 ml)	RQ9125/c (5 ml)	RQ9130 (5 ml)
4 Parameters only (choose from 55)	13 Parameters only (choose from 55)	Full 55 Parameters	Full 55 Parameters
Samples every two weeks, 2 x 6 monthly cycles, 12 month subscription (RQ9125/a, RQ9125/b, RQ9125/c)			
Samples every month, 1 x 12 month cycle, 12 month subscription (RQ9130)			

ACTH	DHEA Unconjugated	17-OH-Progesterone	T_4 (Free)
AFP	Digoxin Estriol	Paracetamol	T_4 (Total)
Aldosterone	Total*	Phenobarbital	Testosterone (Free)*
Amikacin	Ethosuximide*	Phenytoin	Testosterone (Total)
Androstenedione	Ferritin	Primidone*	Theophylline
-2-Microglobulin	Folate	Progesterone	Thyroglobulin
CA125	FSH	Prolactin	Tobramycin*
CA15-3	Gentamicin	PSA (Free)	TSH
CA19-9	GH	PSA (Total)	Valproic Acid
Carbamazepine	hCG	PTH	Vancomycin
CEA	IgE	Salicylate	Vitamin B12
Cortisol	Insulin	SHBG	1-25-$(OH)_2$-Vitamin D*
C-Peptide	LH	T_3 (Free)	25-0H-Vitamin D
DHEA-Sulphate	Oestradiol	T_3 (Total)	

Lipid Programme *With target scoring*

RQ9126/a (3 ml)	RQ9126/b (3 ml)		
3 Parameters only (choose from 7)	Full 7 Parameters		
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription			

Apolipoprotein A1	Cholesterol (Total)	LDL-Cholesterol	Triglycerides
Apolipoprotein B	HDL-Cholesterol	Lipoprotein (a)	

RANDOX

THIRD PARTY CONTROLS

CLINICAL CHEMISTRY

Clinical Chemistry Product Range		
Product Description	**Size**	**Cat. No.**
Precision Chemistry Premium Plus Level 2	20 x 5 ml	UN1557
Precision Chemistry Premium Plus Level 3	20 x 5 ml	UE1558
Liquid Chemistry Premium Level 2	12 x 5 ml	LUN5048
Liquid Chemistry Premium Level 3	12 x 5 ml	LUE5049
Liquid Chemistry Premium Plus Level 1	12 x 5 ml	LUL5069
Liquid Chemistry Premium Plus Level 2	12 x 5 ml	LUN5070
Liquid Chemistry Premium Plus Level 3	12 x 5 ml	LUE5071
Liquid Chemistry Premium Plus Level 1	12 x 10 ml	LUL5093
Liquid Chemistry Premium Plus Level 2	12 x 10 ml	LUN5094
Liquid Chemistry Premium Plus Level 3	12 x 10 ml	LUE5095
Assayed Chemistry Premium Plus Level 2	20 x 5 ml	HN1530
Assayed Chemistry Premium Plus Level 3	20 x 5 ml	HE1532
Assayed Chemistry Premium Plus Level 2 & 3	2 x 5 x 5 ml	HS2611
Chemistry Premium Level 2	12 x 5 ml	HN5067
Chemistry Premium Level 3	12 x 5 ml	HE5068
Liquid Assayed Chemistry Premium Level 2	12 x 5 ml	LAN4216
Liquid Assayed Chemistry Premium Level 3	12 x 5 ml	LAE4217
Liquid Assayed Chemistry Premium Plus Level 1	12 x 5 ml	LAL4213
Liquid Assayed Chemistry Premium Plus Level 2	12 x 5 ml	LAN4214
Liquid Assayed Chemistry Premium Plus Level 3	12 x 5 ml	LAE4215
Bovine Chemistry Assayed Level 1	20 x 5 ml	AL1027
Bovine Chemistry Assayed Level 2	20 x 5 ml	AN1026
Bovine Chemistry Assayed Level 3	20 x 5 ml	AE1032
Bovine Chemistry Precision Level 1	20 x 5 ml	SL1084
Bovine Chemistry Precision Level 2	20 x 5 ml	SN1085
Bovine Chemistry Precision Level 3	20 x 5 ml	SE1086
Clinical Chemistry Calibration Serum Level 2	20 x 5 ml	CAL2350
Clinical Chemistry Calibration Serum Level 3	20 x 5 ml	CAL2351
Ammonia Ethanol Control Level 1	6 x 2 ml	EA1366
Ammonia Ethanol Control Level 2	6 x 2 ml	EA1367
Ammonia Ethanol Control Level 3	6 x 2 ml	EA1368
Aldolase Calibrator	3 x 1 ml	AD5000
Aldolase Control Level 2	3 x 1 ml	AD5001
Aldolase Control Level 3	3 x 1 ml	AD5002
Bilirubin Elevated Serum	10 x 3 ml	BE454
Liquid Bilirubin Control Level 1	3 x 3 ml	BRI0172
Liquid Bilirubin Control Level 2	3 x 3 ml	BRI0173
Glycerol Control	3 x 5 ml	GY1369
Multi Calibrator	3 x 2 ml	MC1382
Multi Control Level 1	5 x 2 ml	MC1379
Multi Control Level 2	5 x 2 ml	MC1380
Multi Control Level 3	5 x 2 ml	MC1381
Glutamine Control Level 1	5 x 5 ml	GM1376
Glutamine Control Level 2	5 x 5 ml	GM1377
Glutamine Control Level 3	5 x 5 ml	GM1378
Glutamine Calibrator	3 x 5 ml	GM1375
TxB Cardio Control Level 1	3 x 3 ml	TXB5125
TxB Cardio Control Level 2	3 x 3 ml	TXB5126
TxB Cardio Control Level 3	3 x 3 ml	TXB5127
TxB Cardio Calibrator Series	6 x 3 ml	TXB3132
TxB Cardio Sample Diluent	3 x 100 ml	TXB2814

Liquid ready-to-use   Liquid frozen   Lyophilised for enhanced stability   Assayed target values provided   100% human matrix

RANDOX
THIRD PARTY CONTROLS

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		
Product Description	**Size**	**Cat. No.**
HbA1c Control Set Level 1 and 2	2 x 2 x 0.5 ml	HA5072
HbA1c Calibrator Series	5 x 2 ml, 1 x 8 ml	HA3444
Liquid HbA1c Control Set Level 1 and 2	2 x 2 x 0.5 ml	HA10155
G-6PDH Control Deficient	6 x 0.5 ml	PD2617
G-6PDH Control Normal	6 x 0.5 ml	PD2618
Fructosamine Control Level 1	3 x 1 ml	FR2994
Fructosamine Control Level 3	3 x 1 ml	FR2996
Fructosamine Calibrator	3 x 1 ml	FR2993
Haemoglobin F and A2 Control	2 x 2 x 0.2 ml	HA5083
Adiponectin Control Level 2	3 x 1 ml	AO2801
Adiponectin Control Level 3	3 x 1 ml	AO2802
Adiponectin Calibrator	4 x 1 ml	AO2800

Liquid ready-to-use   Liquid frozen   Lyophilised for enhanced stability   Assayed target values provided   100% human matrix