

RX IMOLA

A FULLY AUTOMATED CLINICAL CHEMISTRY ANALYSER,
WITH A COMBINED THROUGHPUT OF 560 TESTS PER HOUR



RANOX

» THE RX IMOLA DEMONSTRATES HIGH QUALITY
TESTING FOR RESULTS YOU CAN TRUST



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» BENEFITS

The RX imola is a fully automated system with random access and STAT sampling functionality, boosting productivity and saving time. The RX imola is a cost effective system that delivers consistent high quality results. Capable of handling the workload of a medium to high throughput laboratory the RX imola provides rapid, comprehensive testing on a small footprint benchtop analyser.



TEST MENU & CONSOLIDATION

Expand your testing capabilities on one efficient platform

Extensive dedicated test menu, including; **routine chemistries, lipids, antioxidants, cardiac and diabetes** testing allows laboratories to expand their testing capabilities reducing additional costs of sending samples to be tested externally.

Direct, on-board, HbA1c testing capabilities provide many **time saving benefits** in the laboratory. As there is **no incubation step required** HbA1c tests can be performed immediately, performing QC and Calibration checks is quicker as only one assay is being tested, and offline calculations are not needed enabling **faster recovery times**.

ACCURATE RESULTS

Achieve accurate patient results first time, every time

Dual reagent probes minimise carry over **increasing accuracy**.

Serum indices check the integrity of patient samples, **flagging** if samples are deemed icteric, haemolytic or lipaemic.

UNRIVALLED PERFORMANCE

Reliability ensures no interruption to workflow

90 cuvettes on board **with cuvette check function** ensuring only clean and viable reaction vessels are used.

Five speed mixing arms eliminate foaming and ensure adequate mixing of latex enhanced immunoturbidimetric assays.

Continuous STAT loading hatch allows emergency samples to be analysed quickly and easily at any time.



QUALITY CONTROL

Developed to improve efficiency in your laboratory

6 different calibration options available **increases confidence** that the optimum algorithm is being used to achieve the most accurate results.

User can view QC history.

Automatically generates Levey-Jennings Charts, running mean values and QC statistics.

Up to 10 user defined multipoint rules.



FLEXIBILITY & VERSATILITY

Enhanced functionality maximises testing capabilities

12 wavelengths generated via diffraction grating (340-800nm) ensuring a multitude of chemistries are possible on one system.

RX imola is capable of running monochromatic, bi-chromatic, endpoint, kinetic, ISE, sample blanking and reagent blanking assays.

Cooled reagent carousel with 60 positions. Meaning **reagents can be stored on board without compromising stability.**



COST SAVINGS

Smart technology designed to avoid additional costs

Minimal maintenance required, just 2 preventative maintenance services per year means **less down time.**

Intuitive **user friendly software** ensures that minimal training is required.

Economic platform with **low water consumption** of only 18L per hour.



RANDOX

rx
imola

imola
rx

» SYSTEM OVERVIEW



REAGENT CAROUSEL

- 60 reagent positions for 20ml, 50ml and 100ml bottles, all cooled between 8-15°C. Smart reagent inventory management system with automatic barcode functionality ensures instant recognition of reagents. Dedicated reagents available from Randox.



CUVETTES

- 90 reusable Pyrex® cuvettes with a minimum 5 year lifespan. On-board cuvette checking function ensures only clean and viable reaction vessels are used. Cuvettes have a curved inner surface to aid efficient cleaning and drying.



WASH STATION

- An 8 stage washing process with acid, alkali and pure water wash steps ensures cuvettes are thoroughly cleaned before each test. Liquid level sensors at stations 1-5 prevent cuvette overflows.



SAMPLE CAROUSEL

- The emergency loading port allows for runs to be interrupted for the processing of STAT samples. 72 positions are contained within the universal carousel, 20 positions available for calibrators and controls. Barcode sample identification ensures accurate matching of patient identification to specimen.



DUAL STIRRERS

- Dual 5 speed rotating stirrers rinsed with purified water. Different mixing speeds ensure each chemistry and sample are at optimum viscosity to enable measurement accuracy and precision

» THE RX SERIES TEST MENU

CLINICAL

AUTOIMMUNE:

Complement Component 3
Complement Component 4
CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
IgA
IgE
IgG
IgM
Rheumatoid Factor

BASIC METABOLIC PROFILE:

Calcium
CO₂ Total
Chloride
Creatinine
Glucose
Potassium
Sodium
Urea

BONE PROFILE:

Alkaline Phosphatase
Calcium
Phosphorus
Total Protein

CARDIAC:

Adiponectin
Cholesterol
CK-MB
CK-NAC
CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
Digoxin
Direct HDL Cholesterol
Direct LDL Cholesterol
HDL3
H-FABP
Homocysteine
Lipoprotein (a)
Myoglobin
sLDL
Triglycerides
TxB Cardio

COMPREHENSIVE METABOLIC PROFILE:

Albumin
Alkaline Phosphatase
ALT

AST (GOT)

Direct Bilirubin
Calcium
Chloride
CO₂ Total
Creatinine
Glucose
Lactate
Potassium
Sodium
Total Bilirubin
Total Protein
Urea

DIABETES:

Adiponectin
Cholesterol
Creatinine
Cystatin C
Direct HDL Cholesterol
Direct LDL Cholesterol
Fructosamine
Glucose
Glycerol
HbA1c/Hb
Microalbumin
NEFA (Non-Esterified Fatty Acids)
Ranbut (Hydroxybutyrate)
Total Protein
Triglycerides
Urinary Protein

ELECTROLYTES:

Calcium
Chloride (Nondirect)
CO₂ Total
Lithium
Magnesium
Potassium (Nondirect)
Sodium (Nondirect)

HAEMOLYTIC ANAEMIA:

G-6-PDH
Haptoglobin
LDH

HEPATIC FUNCTION:

Albumin
Aldolase
Alkaline Phosphatase
Alpha-1 Antitrypsin
ALT
Ammonia

AST (GOT)

Bile Acids
Cholinesterase
Complement Component 3
Complement Component 4
Direct Bilirubin
Gamma GT
GLDH
Glycerol
Haptoglobin
IgA
IgG
IgM
Iron (UIBC)
LAP
LDH
Total Bilirubin
Total Protein
Transferrin
Transthyretin (Prealbumin)

INFLAMMATION AND INFECTION:

Alpha-1 Acid Glycoprotein
ASO
CRP
Lactate
Rheumatoid Factor

LIPIDS:

Apolipoprotein A-I
Apolipoprotein All
Apolipoprotein B
Apolipoprotein CII
Apolipoprotein CIII
Apolipoprotein E
Cholesterol
Direct HDL Cholesterol
Direct LDL Cholesterol
HDL3
Lipoprotein (a)
sLDL
Triglycerides

NEONATAL SCREENING:

Alpha-1 Antitrypsin
CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
IgE
Transthyretin (Prealbumin)

NEUROLOGICAL DISORDERS (CSF):

IgA
IgG
IgM

NUTRITIONAL STATUS:

Albumin
Copper
Ferritin
Iron
Iron (UIBC)
Lipase
Magnesium
Potassium
TIBC
Transferrin
Transthyretin (Prealbumin)
Zinc

PANCREATIC FUNCTION:

Amylase
Glucose
LDH
Lipase
Pancreatic Amylase

RENAL FUNCTION:

Albumin
Ammonia
Beta-2 Microglobulin
Calcium
Chloride
Creatinine
Cystatin C
Glucose
HbA1c/Hb
IgG
LDH
Magnesium
Microalbumin
Potassium
Sodium
Phosphorus (Inorganic)
Urinary Protein
Urea
Uric Acid



VETERINARY

Albumin	Cholesterol	Glucose	Potassium
Alkaline phosphatase	Cholinesterase (Butyryl)	Glycerol	Ranbut (Hydroxybutyrate)
ALT (GPT)	CK-NAC	HDL	Ransel (Glutathione peroxidase)
Aldolase	CO ₂ Total	Iron (UIBC)	Ransod (Superoxide dismutase)
Ammonia	Copper	Lactate	Sodium
Amylase	Creatinine	Lactate dehydrogenase	Total Protein
AST (GOT)	Canine CRP	LDL	Triglycerides
Bile acids	CRP	Lipase	Urea
Bilirubin	Fructosamine	Magnesium	Uric Acid
Calcium	Gamma-GT	NEFA (Non-esterified fatty acids)	Urinary protein
Chloride	GLDH	Phosphorus (Inorganic)	Zinc



TOXICOLOGY

THERAPEUTIC DRUGS:	Phenobarbitol	DRUGS OF ABUSE:	Ecstasy
Acetaminophen	Phenytoin	Amphetamines	EDDP
Carbamazepine	Salicylate	Barbiturates	Ethanol
Digoxin	Valproic Acid	Benzodiazepines	Methadone
Gentamicin		Cannabinoids	Opiates
Lithium		Cocaine metabolite	



PROTEINS

SPECIFIC PROTEINS:	Apolipoprotein E	CRP High Sensitivity	IgG
Alpha-1 Antitrypsin	ASO	Cystatin C	IgM
Alpha-1 Acid Glycoprotein	Beta-2 Microglobulin	Ferritin	Lipoprotein (a)
Apolipoprotein A-I	Ceruloplasmin	Fructosamine	Microalbumin
Apolipoprotein AII	Complement Component 3	Haptoglobin	Myoglobin
Apolipoprotein B	Complement Component 4	HbA1c/Hb	Rheumatoid Factor
Apolipoprotein CII	CRP	IgA	Transthyretin (Prealbumin)
Apolipoprotein CIII	CRP Full Range (0.3-160mg/l)	IgE	Transferrin



RESEARCH

ANTIOXIDANTS:	Transferrin	Glucose/fructose	BIOTECHNOLOGY:
Albumin	Uric Acid	Lactic acid	Glutamate
Bilirubin		Malic acid	Glutamine
Ferritin	FOOD AND	NOPA	
Glutathione Reductase	WINE TESTING:	Potassium	SPECIALITY:
Ransel (Glutathione Peroxidase)	Acetic acid	TAS	Acid phosphatase
Ransod (Superoxide Dismutase)	Ammonia	Total SO ₂	
TIBC	Copper		
Total Antioxidant Status	Ethanol		

» THE RX SERIES A-Z TEST MENU



AUTOMATED

Acetaminophen	Carbamazepine	Glutamate	Methadone
Acetic Acid	Ceruloplasmin	Glutamine	Microalbumin
Acid phosphatase	Chloride (Non-Direct)	Glutathione Peroxidase (Ransel)	Myoglobin
Adiponectin	Cholesterol	Glutathione Reductase	NEFA (Non-Esterified Fatty Acids)
Albumin	Cholinesterase (Butyryl)	Glycerol	Opiates
Aldolase	CK-MB	Haptoglobin	Pancreatic Amylase
Alkaline Phosphatase	CK-NAC	HbA1c/Hb	Phenobarbitol
Alpha-1 Acid Glycoprotein	CO ₂ Total	HDL3	Phenytoin
Alpha-1 Antitrypsin	Cocaine metabolite	HDL Cholesterol (Direct)	Phosphorus
ALT (GPT)	Complement Component 3	Heart-Type Fatty Acid Binding Protein (H-FABP)	Potassium (Non-Direct)
Ammonia	Complement Component 4	Homocysteine	Rheumatoid Factor
Amphetamines	Copper	Hydroxybutyrate (Ranbut)	Salicylate
Amylase	Creatinine	IgA	sLDL
Apolipoprotein A-I	CRP	IgE	Sodium (Non-Direct)
Apolipoprotein AII	CRP Full Range (0.3-160mg/l)	IgG	Superoxide Dismutase (Ransod)
Apolipoprotein B	CRP High Sensitivity	IgM	TIBC
Apolipoprotein CII	Cystatin C	Iron	Total Antioxidant Status
Apolipoprotein CIII	Digoxin	Lactate	Total Protein
Apolipoprotein E	Ecstasy	LAP	Transferrin
ASO	EDDP	LDH	Transthyretin (Prealbumin)
AST (GOT)	Ethanol	LDL Cholesterol (Direct)	Triglycerides
Barbiturates	Ferritin	Lipase	TxB Cardio
Benzodiazepines	Fructosamine	Lipoprotein (a)	Urea
Beta-2 Microglobulin	G-6-PDH	Lithium	Uric Acid
Bile Acids	Gamma GT	L-Lactic Acid	Urinary Protein
Bilirubin (Direct & Total)	Gentamicin	Magnesium	Valproic Acid
Calcium	GLDH	Malic Acid	Zinc
Canine CRP	Glucose		
Cannabinoids	Glucose/Fructose		



i m o l a

» SOFTWARE

The RX imola incorporates Windows® based software. This intuitive software is easy to navigate and results in minimal training requirements and enhanced productivity. The main screen links to a number of tabs including: Quality Control, Parameter, Calibration and Maintenance, allowing for simple access to information and straight forward selection of the operations required. Secure remote diagnostics saves money and time by allowing access to expert technical and applications staff anytime, anywhere. LIMS (Laboratory Information Management System) connectivity is easily achievable via ASTM standard.

Pos	PID	SID	Method	RI	S	M1	O1	R2	MC	C2	Result	CH	Env
16	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	0.56	52	
16	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	0.63	53	
17	R94001701011	BUTZPB	*	*	*	*	*	*	*	*	0.75	54	
17	R94001701011	BUTZPB	*	*	*	*	*	*	*	*	0.82	55	
17	R94001701011	BUTZPB	*	*	*	*	*	*	*	*	0.00	56	
18	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	0.97	57	
18	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	1.14	58	
18	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	1.05	59	
19	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	1.15	60	
19	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	1.43	61	
19	R94001801011	BUTZPB	*	*	*	*	*	*	*	*	1.31	62	
20	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	1.29	63	
20	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	1.34	64	
20	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	1.24	65	
21	R94002101011	BUTZPB	*	*	*	*	*	*	*	*	0.32	66	
21	R94002101011	BUTZPB	*	*	*	*	*	*	*	*	0.30	67	
21	R94002101011	BUTZPB	*	*	*	*	*	*	*	*	0.30	68	
22	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	1.23	69	
22	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	1.21	70	
22	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	1.22	71	
23	R94002301011	BUTZPB	*	*	*	*	*	*	*	*	0.01	72	
23	R94002301011	BUTZPB	*	*	*	*	*	*	*	*	0.00	73	
23	R9400001011	BUTZPB	*	*	*	*	*	*	*	*	0.00	74	

Chemistry Parameters

Method: 1, Name: CH01, Reagent Name: R1, Reagent (uL): 150, Water(uL):

Sample: Cowman, Unit: Assay Type: Rate, Measuring Points: 1 (Start), 2 (End), Wave Length: Pen: 140, Sec: Disable, SPT: 0.00

Normal Range Table:

No.	Range Name	Min	Max
1	Male-G1	0.00	0.00
2	Male-G2	0.00	0.00
3	Male-G3	0.00	0.00
4	Female-G1	0.00	0.00

Technical Range (cmc): 0.00 - 9999999.00

Reagent Name: R1, R2: Male, Female

REPORTS

The operator can search for previous reports and view real time results status, including time left until completion. The RX imola has a high capacity storage of up to 30,000 patient reports.

Pool	Name	Type	Lot	Size	Vol(uL)	Tests	Method	Total	Value	Stability
01										
02										
03										
04										
05	DLDL	R1	967	10mL	48.1	291	DLDL	291	08/31/2017	7 A9HLE79309
06	GLUPAP	R1	439	10mL	45.8	235	GLUPAP	235	11/30/2017	7 ATC7B7804x
07										
08	CREAT	R1	331	10mL	45.7	331	CREAT	331	04/30/2018	6 AP9703404
09										
10	TRIGS	R1	169	10mL	48.2	247	TRIGS	247	03/31/2018	-1 BH5983904
11	CREAT	R2	332	10mL	29.8	338	CREAT	338	04/30/2018	6 AP98C3409
12										
13										
14	DHDL	R1	923	10mL	48.0	363	DHDL	363	05/31/2017	-14 A9PHB7501
15	LEUC	R1	265	10mL	42.4	251	LA	251	05/30/2017	-14 B073B7100
16										
17	CAL1S	R1	167	10mL	41.5	251	CAL1S	251	07/31/2018	16 CE4H8B702
18	ALB	R1	115	10mL	39.4	167	ALB	167	05/31/2018	6 A23783604

REAGENT INVENTORY

Remaining reagent volume is automatically calculated on-board alongside the number of tests available and stability of the reagents. Should insufficient volume remain for any reagent, an alert will appear, allowing the operator to resolve the situation.

CHEMISTRY PARAMETERS

The chemistry parameters screen enables pre-sample dilution to be set up and re-running of assays as required. The user may set up to 20 different test profiles and define the order of analysis.

Results

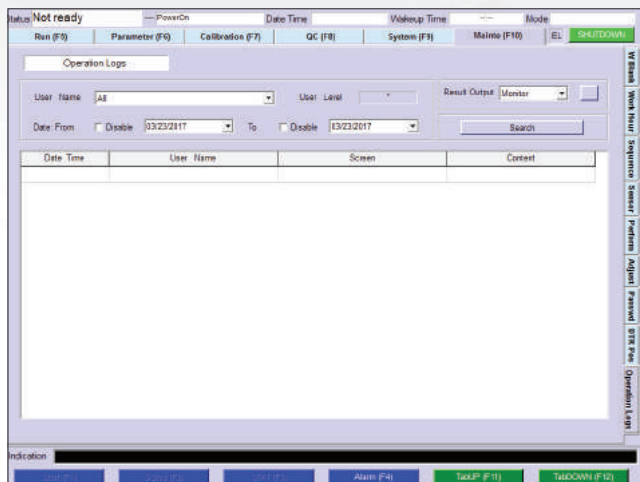
Search for: Sample Type: All, SID: , From: , To: , Date From: 02/10/2006, To: 05/10/2006, Round #: 4

Result: R1L, Judgement: R2L, Range: ADS, Flag: Error Code: , Output Time: Ca

Date	Round	ID	SID	CREAT
05/10/2006	4		000011	0436 03
05/10/2006	4		000011	15420 20

RESULTS

Results are easily retrievable via various search options, for example sample type, date or sample category etc. Laboratory staff can download and print results or transmit results to the LIMS system for all relevant clinicians to view.



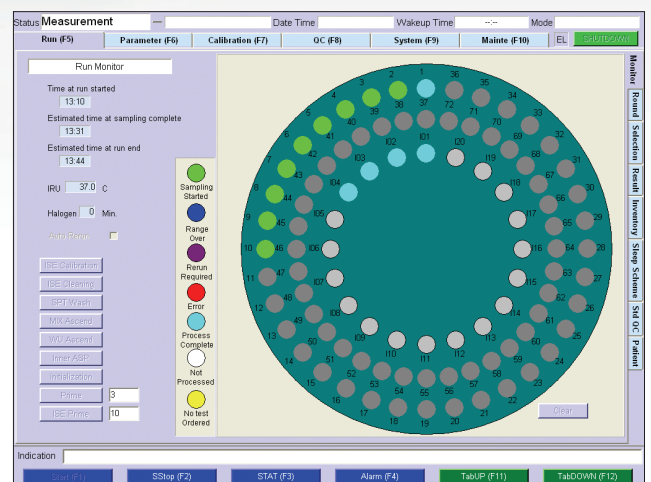
MAINTENANCE

Maintenance on the RX imola is fast and effective. There are several simple steps to carry out daily, weekly and monthly. Less than 5 minutes daily maintenance is required.



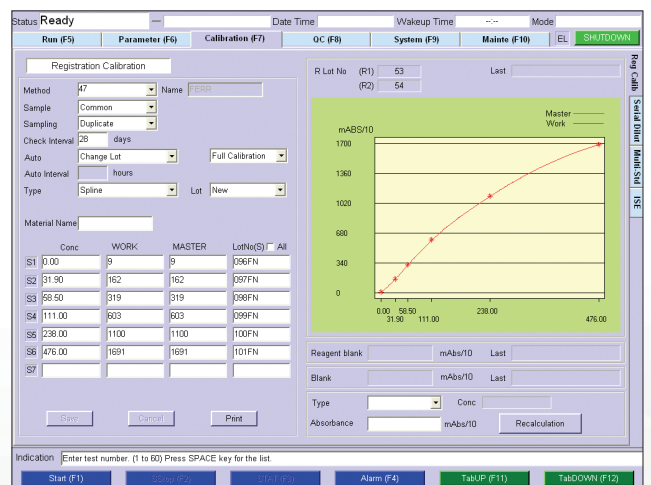
QUALITY CONTROL

The QC screen generates Levey-Jennings charts and calibration curves allowing a visual performance assessment plus easy identification of QC errors and emerging trends. QC multi rules can be applied to ensure high error detection and minimal false rejection.



RUN MONITOR

The run monitor displays full patient demographics. This screen indicates the number of tests and time left until completion. The operator may add emergency STAT samples from this screen.



CALIBRATION

The software displays the current valid calibration for each assay installed, the reagent blank absorbance and the calibration check interval. There are 7 calibration models available: Factor, Linear, Point to point, Log-logit, Exponential, Spline & Spline 2.

» FEATURES AT A GLANCE



Versatile reagent carousel
with 60 cooled positions



Universal sample carousel with 72
positions for samples, plus a separate
cooled inner carousel for 20 controls
and calibrators



Liquid level sensor, crash,
bubble and clot detection



Unique loading hatch allows
emergency samples to be analysed
quickly and easily at any time



Low water consumption of
just 18 litres per hour



90 permanent Pyrex® cuvettes
with cuvette check function

» ORDERING & CUSTOMER SUPPORT

In choosing to purchase the RX imola from Randox you are partnering with a company that has over 35 years' experience in the IVD industry and clinical chemistry analyser placements in over 120 countries worldwide. Customers needs vary and Randox sales staff and distributor partners will work with your laboratory to create a bespoke package to suit your requirements. Randox Laboratories provide customers with an unrivalled technical support service.

ORDERING INFORMATION

RX imola analyser

RX4900

For more information contact your local representative, or email us at:

theRXseries@randox.com



» SPECIFICATIONS

PHYSICAL DIMENSIONS

Height	690 mm, 27in
Depth	582 mm, 23in
Width	970 mm, 38in
Weight	150kg, 331lbs

PERFORMANCE CHARACTERISTICS

Throughput	400 photometric tests per hour, 240 ISE tests per hour
Analyser accreditation	CE marking in compliance with In Vitro Diagnostic Medical Device Directive 98/79/EC, FDA 510k cleared and UL certification
Analyser type	Compact fully automated random access bench top clinical analyser
Assay tests	Endpoint, kinetic, biochromatic, turbidmetric, sample blanking, reagent blanking and ISE
Maintenance	Daily maintenance-less than 5 minutes. No rear access required. Simple twice yearly preventative maintenance service.
Data management	Storage of up to 30,000 patient reports, search facility, test counter
Test channels	60 photometric channels, 3 direct ISE tests - sodium, potassium and chloride
Sleep mode	User defined sleep mode capabilities with automatic wash and instrument prep

REAGENT & SAMPLE SYSTEM

Reagent capacity	Removable tray with 60 cooled positions (30 positions for 100 or 50ml bottles and 30 positions for 20ml bottles)
Reagent cooling	8-15°C
Reagent identification	Automatic barcode reagent identification
Reagent inventory	Calculation of remaining reagent volume and tests available, alert for shortage, expired reagent and expired calibration
Reagent pipette	Dedicated twin reagent micropipette with liquid level sensor and crash detection, rinsed inside and outside with purified water
Sample addition	Immediate sampling interruption for addition of samples via removable panel
Sample capacity	Removable tray with 72 positions for samples, 20 cooled position for controls and calibrators
Sample dead volume	150µl in standard or primary tubes, 100µl in paediatric cups
Sample dilution	Pre-dilution and automatic re-assay with diluted, reduced or increased sample volume. Dilution mixture 100-350µl consisting of 2-35µl of sample and 20-350µl of diluent
Sample identification	Barcode sample identification
Sample pipette	Dedicated sample micropipette with liquid level sensor, crash detection, bubble detection and 4 levels of clot detection. Rinsed inside and outside with purified water
Sample tube Size	Multiple primary tube sizes (diameter 13 to 16mm, height 75 to 100 mm), paediatric cups
Sample type	Serum, Plasma & Urine

Sample volume	2 to 35µl (0.1µl increments)
STAT sampling	Immediate STAT sampling interruption

REACTION SYSTEM

Minimum reaction volume	150µl
Stirring speed	Dual 5-speed rotating stirrers rinsed with purified water
Stirring system	Paddle type rotating stirrer cleaned with purified water
Temperature	37°C±0.3
Cuvettes	90 reusable Pyrex® cuvettes with 5-year lifespan, min volume 150µl, Max volume 450µl, 8-stage cuvette washing system
Cuvette size	8 (W) × 6.23 (D) × 30 (H)mm
Cycle time	9 seconds
Water consumption	18L per hour
Water requirements	NCCLS type 1 or 2 purified water supply at pressure [0.15-0.34Mpa]

OPTICAL SYSTEM

Detector method	Direct absorbance in cuvette (bichromatic and monochromatic)
Detection principal	12 wavelengths: 340, 380, 415, 450, 510, 546, 570, 600, 660, 700, 750 and 800 nm
ISE tests	Integrated ISE unit
Light source	Halogen tungsten lamp (air-cooled, 6 months service life)

CALIBRATION & QC

Quality control	Interactive Levey-Jennings Charts, Daily, Monthly and Batch QC with data archiving, Automatic QC and Automatic calibration
Calibration principal	Factor, Linear, 2 point, point to point, spline, log-logit and exponential. Up to 7 calibrators per test

POWER & CONNECTIVITY

Input voltage	100 - 240 Vac
Power consumption	<900 VA
UPS requirements	1230 W (analyser and PC)
LIMS connectivity	Bi-directional; ASTM standard (RS232 connection)

OPERATING SYSTEM

Operator interface	15" LCD display and printer externally connected. Windows® based user Interface 100-249 VAC, 1230 Watt approx
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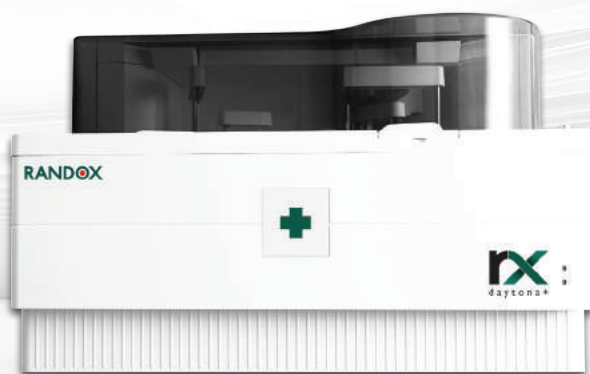
»» THE RX SERIES



A semi-automated clinical chemistry analyser with the ability to run flow cell or cuvette mode. The RX misano offers 9 wavelengths spanning 340-700nm as standard, with an optional 280nm. A large 7" touch screen monitor responsive even when wearing lab gloves allows the user to easily navigate through the testing screens of the analyser. USB port allows to import Randox-defined test menus and export patient, QC and calibration results.



A fully automated, random access clinical chemistry analyser with 12 wavelengths between 340-800nm and a throughput of 170 tests per hour. Available as a benchtop or floor standing model with Windows® based software and STAT sampling as standard. The low throughput of the RX monaco provides small to mid-volume laboratories with cost effective analysis and high quality testing.



A fully automated, random access, benchtop clinical chemistry analyser with a throughput of 270 photometric tests per hour, increasing to 450 with the optional ISE unit.

There are 12 wavelengths spanning 340-800nm and the RX daytona+ provides liquid level, clot and crash detection. Software is windows based and STAT sampling is available via an emergency loading port. The RX daytona+ offers superior performance for mid volume laboratories.



A fully automated, random access, floor standing clinical chemistry analyser with a photometric throughput of 800 test per hour, increasing to 1200 including ISE. There are 13 wavelengths spanning 340-800nm and a fully automated onboard, haemolysis function for running HbA1c. Accurate results are supported by liquid level, clot, and crash detection.

The operating system utilises a modern touchscreen interface and Windows® icon based software.

»» RANDOX - A GLOBAL DIAGNOSTIC SOLUTIONS PROVIDER

Randox has been supplying laboratories worldwide with revolutionary diagnostic solutions for over 35 years. Our experience and expertise allow us to create a leading product portfolio of high quality diagnostic tools which offer reliable and rapid diagnosis. We believe that by providing laboratories with the right tools, we can improve health care worldwide.

REAGENTS

Randox offers an extensive range of diagnostic reagents, giving biochemistry laboratories the opportunity to advance their routine and niche testing.

The Randox reagents range goes beyond routine chemistries. At Randox we re-invest significantly in research and development to ensure we meet the ever changing needs of the laboratory. As a result, the esoteric reagents range from Randox is extensive and includes sLDL, Lipoprotein(a), H-FABP, Cystatin C, TxBCardio, Adiponectin, Bile Acids, Copper, D-3-Hydroxybutyrate, G-6-PDH, Non-Esterified Fatty Acids, Total Antioxidant Status and Zinc.

Randox Reagents provide a number of benefits for the laboratory: Cost savings through excellent stability, automated methods and standards supplied with some kits; confidence in results with high performance methods, minimal interferences and wide measuring ranges; convenience and choice with applications for over 100 biochemistry analysers; liquid ready-to-use reagents, a wide range of kit sizes and complementary controls and calibrators.

ACUSERA

Randox is a world leading manufacturer of multi-analyte, true third party controls. Thousands of laboratories rely on us to accurately assess test system performance and ultimately empower them with the confidence required to release patient test results. With more than 390 analytes available across the Acusera range we can uniquely reduce the number of individual controls required while simultaneously reducing costs, time and storage space. A choice of formats are available, including liquid or lyophilised, ensuring flexibility and suitability for laboratories of all sizes and budgets.

Some of our principle products include Clinical Chemistry, Immunoassay, Urine, Immunology/Proteins, Cardiac Markers and Therapeutic Drugs among others. As a primary manufacturer, Randox are also able to offer the unique service of custom made controls.

RIQAS

Boasting over 45,000 participants and more than 360 parameters across 32 comprehensive & flexible EQA programmes, RIQAS is the largest international EQA scheme. Designed to cover all areas of clinical testing, each of our multi-analyte programmes benefit from a wide range of concentrations, frequent reporting, rapid feedback and informative yet user-friendly reports.

BIOCHIP ARRAY TECHNOLOGY

Biochip Array Technology (BAT) is an innovative assay technology for multi-analyte screening of biological samples in a rapid, accurate and easy to use format. BAT offers highly specific tests, coupled to highly sensitive chemiluminescent detection, providing quantitative results in easy to interpret reports. Randox BAT assays offer diagnostic, prognostic and predictive solutions across a variety of disease areas including sexually transmitted infection, cardiovascular disease (CVD), familial hypercholesterolemia (FH), colorectal cancer and respiratory infection.

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