

Veterinary Diagnostic Solutions



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Quality Veterinary Diagnostic Solutions from **RANDOX**

INTRODUCTION

Randox is an international diagnostics company with over 25 years experience in the veterinary and medical diagnostics industry. Randox manufacture a range of clinical chemistry products for the veterinary market designed to diagnose the general health of animals and for the prognosis of disease.

In response to the growing demand for quality veterinary diagnostics Randox have developed a range of reagents, controls, calibrators and analysers for veterinary testing in companion animals, equine health and livestock.

The RX series of clinical chemistry analysers from Randox are particularly suitable for applications in the veterinary market.

RX series of CLINICAL ANALYSERS

RX monza™

A semi-automated, benchtop clinical chemistry analyser, ideally suited for smaller throughput veterinary laboratories, veterinary practices or universities/research institutes. The RX monza is also ideal as a back up analyser for the RX daytona or RX imola.



RX MONZA FEATURES AND BENEFITS

- **Small sample volume**- particularly beneficial for analysing small animal samples
- **Comprehensive test menu**- pre-programmed parameters for recommended Randox kits
- **Comprehensive QC facility**- ensures accuracy and reliability of results
- **Minimal training required**- easy to use software
- **Data back-up**- to review result history
- **Open channels available**
- **Compact design**





1 Bovine	28	-	36
2 Avine	28	-	39
3 Canine	26	-	35
4	0	-	0
5	0	-	0
6	0	-	0
7	0	-	0
8	0	-	0
9	0	-	0
10	0	-	0
11	0	-	0
12	0	-	0
13	0	-	0
14	0	-	0
15	0	-	0

Fig. 1: Input of species-specific reference ranges



The RX imola is a compact fully automated random access benchtop clinical analyser, ideal for a large throughput veterinary laboratory.



The RX daytona, a fully automated benchtop analyser, is ideally suited to meet the demands of a small to medium throughput veterinary laboratory. It offers time, labour and cost saving features and the widest test menu of dedicated reagents in its class.



RX IMOLA and RX DAYTONA FEATURES AND BENEFITS

- **Species specific reference ranges**- ideal for diagnosing various types of animals
- **Unique multi-speed mixing**- for optimal reagent performance
- **Small sample dead volume**- particularly beneficial for analysing small animal samples
- **Comprehensive QC facility**- ensures accuracy and reliability of results
- **Minimal training required**- user friendly system
- **Dedicated RX kits**- with pre-programmed parameters
- **Open channels available**
- **On board inventory**- monitors reagent expiry dates and volumes





Randox reagents are recognised internationally as being of the highest quality; producing accurate and precise results. Randox has built up considerable experience in supplying the veterinary market and offers a broad range of tests for veterinary laboratories.

- **Extensive test menu** – complete routine clinical chemistry profile
- **High quality specialised products** - Bile Acids, Fructosamine*, NEFA*, HDL, GLDH, LDL*
- **Unique products** - Glutathione peroxidase (RANSEL), D₃ Hydroxybutyrate (RANBUT)
- **Settings for wide range of analysers**
- **Majority of reagents are liquid stable** – no preparation required
- **Extensive range of bar-coded reagents** – no programming required

* Available on RX Daytona and RX Imola only

Albumin	Glycerol
Alkaline phosphatase	Haemoglobin
ALT (GPT)	D ₃ Hydroxybutyrate (RANBUT)
Ammonia	HDL
Amylase	Iron (UIBC)
AST (GOT)	Lactate
Bile acids	Lactate dehydrogenase
Bilirubin	LDL
Calcium	Lipase
Chloride	Magnesium
Cholesterol	NEFA (Non-esterified fatty acids)*
Cholinesterase (butyryl)	Phosphorus (inorganic)
CK-NAC	Potassium
CO ₂ total	Sodium
Copper	Superoxide dismutase (RANSOD)
Creatinine	Therapeutic drugs
Fructosamine*	Total Protein
Gamma GT	Urea
GLDH	Urea (BUN)
Glucose	Urinary protein
Glutathione peroxidase (RANSEL)	Zinc

aCusera™ - The control of choice for veterinary laboratories



Randox offer an extensive range of precision and assayed bovine multi-sera quality controls. Randox QC serum is ideally suited to veterinary laboratories due to the inclusion of common veterinary tests such as: D₃-Hydroxybutyrate, NEFA, Bile acids, Lactate.

- Precision and assayed bovine multi-sera quality controls
- 45 clinical chemistry parameters available
- Reduced costs: multi-analyte
- Sera available in a variety of analytical levels and pack sizes

Randox quality control sera can be used on a wide variety of veterinary analysers. Randox can also manufacture a unique array of both multi-analyte and specific calibrators with values for all common systems.

aCusera™
Quality Control Sera from RANDOX

General chemistry controls
Urine controls
Lipid control
Therapeutic drug controls
Immunoassay control
Specific protein controls
Calibration sera

RIQAS EXTERNAL QUALITY ASSESSMENT (EQA)

Randox International Quality Assessment Scheme (RIQAS) is the largest international EQA scheme in the world, with many veterinary laboratories using this service to ensure the quality of their laboratory results.

RIQAS EQA schemes

Coagulation
General chemistry
Immunoassay
Therapeutic drugs
Haematology

RANDOX
clinical diagnostic solutions



Randox Laboratories Ltd., 55 Diamond Road, Crumlin, Co. Antrim, BT29 4QY, United Kingdom
t: +44 (0) 28 9442 2413 f: +44 (0) 28 9445 2912 e: marketing@randox.com www.randox.com

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