

RANDOX

EQA PROGRAMMES



FEATURES AND BENEFITS

Randox International Quality Assessment Scheme **RIQAS**

RIQAS is the largest international EQA scheme, used by more than 55,000 laboratory participants in over 134 countries worldwide. This large number of participants ensures an extensive database of results for many analytical methods, directly increasing statistical validity as a result.

Benefits

Large Database of Users

- A high level of participation means peer group numbers are maximised whilst ensuring availability of data for a wide range of instruments and methods.

User-friendly Reports

- Simple one page per parameter format enables at-a-glance performance assessment, saving valuable laboratory time.
- Complimentary multi-instrument and interlaboratory reports allow comparative performance assessment of all laboratory systems and multiple connected laboratories.
- End-of-Cycle reports summarising performance compared to the previous cycle allow you to identify improvements in quality over time.

Cost Effective

- Our extensive range of multi-analyte programmes will reduce the number of individual programmes required to cover your test menu, saving both time and money.
- Reduced parameter options for selected programmes offer greater flexibility, ensuring suitability for laboratories of all sizes and budgets.
- Register up to five instruments per programme at no extra cost for comparative performance assessment.

Frequency

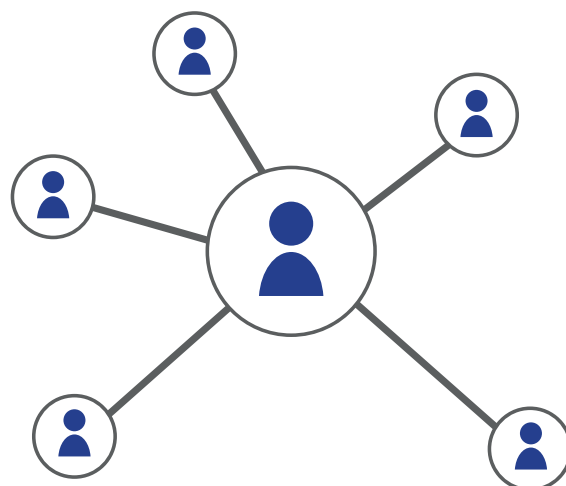
- Frequent reporting allows early identification of system errors and implementation of any necessary corrective actions with minimum disruption to the lab.
- With a turnaround of less than 72 hours for most reports, corrective action can be taken immediately reducing the time spent performing expensive re-tests.

High Quality Samples

- Samples spanning clinically relevant levels, allows identification of concentration related biases and ensures accurate instrument performance.
- Human samples free from interfering preservatives increase confidence that EQA performance mirrors the performance of patient samples.
- Reference method values are provided in the Clinical Chemistry and Immunosuppressant programmes for selected parameters and lots.

Highly Accredited

- Programmes accepted by National and International accreditation bodies worldwide.
- Participant certificates provide evidence of participation in a reputable EQA scheme.



Ammonia/Ethanol Programme *With target scoring*

RQ9164 (2 ml)
2 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

Ammonia Ethanol

Anti-Müllerian Hormone (AMH) Programme+

RQ9198 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription

Anti-Müllerian Hormone (AMH)

Anti-TSH Receptor Programme+ *With target scoring*

RQ9174 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription

Anti-TSH Receptor (TRAb)

Blood Gas Programme *With target scoring*

RQ9134 (1.8 ml) First registered instrument 11 Parameters Samples every month, 1 x 12 month cycle, 12 month subscription	RQ9134/A (1.8 ml) Subsequent instruments 11 Parameters 12 month subscription
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Bicarbonate	CO ₂ (Total)	K+	pH
Ca ⁺⁺	Glucose	Na+	pO ₂
Cl-	Lactate	pCO ₂	

BNP Programme+ *With target scoring*

RQ9165 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription

BNP

Cardiac Programme *With target scoring*

RQ9127/a (1 ml) 2 Parameters only (choose from 7) Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription	RQ9127/b (1 ml) Full 7 Parameters	RQ9186 (1 ml) Full 7 Parameters Samples every month, 1 x 12 monthly cycle, 12 month subscription
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CK, Total CK-MB (Activity)	CK-MB (Mass) Homocysteine	Myoglobin Troponin I	Troponin T
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Cardiac Plus Programme *With target scoring*

RQ9190 (3 ml)
11 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

CK, Total CK-MB Activity CK-MB Mass	D-dimer Digoxin Homocysteine	hsCRP Myoglobin NT proBNP	Troponin I Troponin T
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Cerebrospinal Fluid Programme+ *With target scoring*

RQ9168 (3 ml)
7 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

Albumin Chloride	Glucose IgG	Lactate Protein (Total)	Sodium
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RIQAS PROGRAMMES

Coagulation Programme *With target scoring*

RQ9135/a (1 ml)
5 Selected parameters only + 1 pilot
(aPTT, PT, TT, Fibrinogen, Antithrombin III)
Samples every month, 1 x 12 month cycle, 12 month subscription

aPTT	D-dimer*	Factor IX	Protein C
PT (including INR)	Factor II	Factor X	Protein S
TT	Factor V	Factor XI	
Fibrinogen	Factor VII	Factor XII	
Antithrombin III	Factor VIII	Plasminogen	

CO-Oximetry Programme+

RQ9177 (1.2 ml)
First registered instrument
7 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

RQ9177/A (1.2 ml)
Subsequent instruments
7 Parameters

Carboxyhaemoglobin (COHb / HbCO)	Methaemoglobin (MetHb)	Oxygen Saturation (sO ₂ / Vol O ₂)	Total Haemoglobin (tHb)
Deoxyhaemoglobin (HHb)	Oxygen Content (O ₂ CT)	Oxyhaemoglobin (O ₂ Hb / HbO ₂)	

CYFRA 21-1 Programme+

RQ9175 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription

CYFRA 21-1 (Cytokeratin 19)

Cytokines Programme+

RQ9195 (1 ml)
1 Parameter + 11 pilots
Samples every month, 1 x 12 month cycle, 12 month subscription

Epidermal Growth Factor (EGF)*	Interleukin – 4 (IL-4)*	Interferon gamma (INF- γ)*	Vascular Endothelial Growth Factor (VEGF)*
Interleukin – 1 alpha (IL-1 α)*	Interleukin – 6 (IL-6)	Monocyte Chemoattractant Protein -1 (MCP-1)*	
Interleukin – 1 beta (IL-1 β)*	Interleukin – 8 (IL-8)*	Tumour Necrosis Factor alpha (TNF- α)*	
Interleukin – 2 (IL-2)*	Interleukin – 10 (IL-10)*		

ESR Programme+

RQ9163 (4.5 ml)
1 Parameter
2 samples per quarterly distribution, 1 x 12 month cycle, 12 month subscription

ESR (Erythrocyte Sedimentation Rate)

General Clinical Chemistry Programme *With target scoring*

RQ9112/a (5 ml)
10 Parameters + 4 pilots

RQ9112/b (5 ml)
17 Parameters + 4 pilots

RQ9112/c (5 ml)
Full 52 Parameters + 4 pilots

RQ9128 (5ml)
Full 52 Parameters + 4 pilots
Samples every month, 1 x 12 monthly cycle, 12 month subscription

Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription, reference method values

ACE (Angiotensin Converting Enzyme)	Calcium, Adjusted	HBDH	Protein (Total)
Acid Phosphatase (Prostatic)	Calcium (Ionised)	HDL-Cholesterol	PSA
Acid Phosphatase (Total)	Chloride	Iron	Sodium
Albumin	Cholesterol	Lactate	TIBC
Alkaline Phosphatase	Cholinesterase	LD (LDH)	T ₃ (Free)
ALT (ALAT)	CK, Total (CPK)	LDL-Cholesterol	T ₃ (Total)
Amylase (Pancreatic)	Copper	Lipase	T ₄ (Free)
Amylase (Total)	Creatinine	Lithium	T ₄ (Total)
AST (ASAT)	D-3-Hydroxybutyrate	Magnesium	Triglycerides
Bicarbonate	eGFR (estimated glomerular filtration rate)	NEFA	TSH
Bile Acids	Fructosamine	Non-HDL Cholesterol	UIBC
Bilirubin (Direct)	γ GT	Osmolality	Urea
Bilirubin (Total)	GLDH	Phosphate (Inorganic)	Uric Acid
Calcium	Glucose	Potassium	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
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 = Liquid ready-to-use samples

 = Lyophilised samples

PURPLE = The only parameters available on RQ9135/a

+ = Not accredited

* = Pilot study ongoing

Haematology Programme *With target scoring*

RQ9118 (2 ml)
11 Parameters

Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

Haematocrit (HCT)
Haemoglobin (Hb)
Mean Cell Haemoglobin (MCH)

Mean Cell Haemoglobin Concentration (MCHC)
Mean Cell Volume (MCV)

RQ9140 (2ml)
11 Parameters

Samples every month, 1 x 12 monthly cycle, 12 month subscription

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 Programme *With target scoring*

RQ9115 (10 ml)
25 Parameters

Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

ACR
Albumin/Microalbumin
Amylase
Calcium
Chloride
Copper
Cortisol

Creatinine
Dopamine
Epinephrine
Glucose
Metanephrine
Norepinephrine

RQ9185 (10ml)
25 Parameters

Samples every month, 1 x 12 monthly cycle, 12 month subscription

Normetanephrine
Magnesium
Osmolality
Oxalate
Phosphate (Inorganic)
Potassium

Protein (Total)
Sodium
Urea
Uric Acid
VMA
5-HIAA

Immunoassay Programme *With target scoring*

RQ9125/a (5 ml)

4 Parameters only + 2 pilots

Samples every two weeks, 2 x 6 monthly cycles, 12 month subscription (RQ9125/a, RQ9125/b, RQ9125/c)

ACTH
AFP
Aldosterone
Amikacin
Androstenedione
β-2-Microglobulin
CA125
CA15-3
CA19-9
Carbamazepine
CEA
Cortisol
C-Peptide

RQ9125/b (5 ml)

13 Parameters only + 2 pilots

DHEA-Sulphate
DHEA Unconjugated
Digoxin
Ferritin
Folate
FSH
Gentamicin
GH
hCG
IgE
Insulin
LH
Oestradiol

RQ9125/c (5 ml)

Full 49 Parameters + 2 pilots

17-OH-Progesterone
Paracetamol
Phenobarbital
Phenytoin
Progesterone
Prolactin
PSA (Free)
PSA (Total)
PTH
Salicylate
SHBG
T₃ (Free)
T₃ (Total)

RQ9130 (5 ml)

Full 49 Parameters + 2 pilots
Samples every month, 1 x 12 month cycle, 12 month subscription RQ9130)

T₄ (Free)
T₄ (Total)
Testosterone (Free)*
Testosterone (Total)
Theophylline
Thyroglobulin
TSH
Valproic Acid
Vancomycin
Vitamin B12
1-25-(OH)₂-Vitamin D*
25-OH-Vitamin D

Immunoassay Speciality 1 Programme *With target scoring*

RQ9141 (2 ml)

9 Parameters + 1 pilot

Samples every month, 1 x 12 month cycle, 12 month subscription

1-25-(OH)₂-Vitamin D*
25-OH-Vitamin D
C-Peptide

Anti-TG
Anti-TPO
IGF-1

Osteocalcin
Procalcitonin
PTH

Insulin

Immunoassay Speciality 2 Programme *With target scoring*

RQ9142 (1 ml)

5 Parameters

Samples every month, 1 x 12 month cycle, 12 month subscription

Calcitonin
Gastrin

Procalcitonin

Plasma Renin Activity

Renin (Direct Concentration)

Immunosuppressant Programme+

RQ9159 (2 ml)

4 Parameters

Samples every month, 1 x 12 month cycle, 12 month subscription, reference method values

Ciclosporin

Everolimus

Sirolimus

Tacrolimus

Lipid Programme *With target scoring*

RQ9126/a (3 ml)

3 Parameters only (choose from 7)

Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

Apolipoprotein A1
Apolipoprotein B

Cholesterol (Total)
HDL-Cholesterol

LDL-Cholesterol
Lipoprotein (a)

Triglycerides

 = Liquid ready-to-use samples

 = Lyophilised samples

PURPLE = The only parameters available on RQ9135/a

+ = Not accredited

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RIQAS PROGRAMMES

Maternal Screening Programme *With target scoring*

RQ9137 (1 ml)
6 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

AFP
free β-hCG

Total hCG
Inhibin A

PAPP-A

Unconjugated Oestriol

Microbiology (Bacterial Identification) Programme+

RQ9197
1 strain (complete with case study)
Samples every 2 months, 1 x 12 month cycles, 12 month subscription

1 strain complete with case study. Identification of the micro-organisms can be made at Gram positive / negative, Genus and Species level. Antimicrobial Susceptibility Testing on identified strain

Antimicrobial Susceptibility Testing

Strain Identification

Neonatal Bilirubin Programme+

RQ9191 (3 ml)
2 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

Direct Bilirubin

Total Bilirubin

Serology (Anti-SARS-CoV-2) Programme+

RQ9193 (0.5 ml)
3 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

IgG

IgM

Total Antibodies

Serology (EBV) Programme+

RQ9153 (1 ml)
3 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription, Quantitative and Qualitative results

Anti-EBV VCA IgG

Anti-EBNA IgG

Anti-EBV VCA IgM

Serology (HIV-Hepatitis) Programme+

RQ9151 (1.8 ml)
16 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription, Quantitative and Qualitative results

Anti-CMV (Total)
Anti-HAV IgM*
Anti-HAV (Total)*
Anti-HBc

Anti-HBc IgM*
Anti-HBe (Total)*
Anti-HBs (Total)*
Anti-HCV

Anti-HIV-1
Anti-HIV-2
Anti-HIV combined
Anti-HTLV I

Anti-HTLV II
Anti-HTLV combined
HBsAg
P24*

Serology (Syphilis) Programme+

RQ9154 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription, Quantitative and Qualitative results

Syphilis (Methods available include immunoassay RPR, VDRL and TPHA)

Serology (ToRCH) Programme+

RQ9152 (1 ml)
15 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription, Quantitative and Qualitative results

Anti-CMV IgG
Anti-CMV IgM
Anti-HSV1 IgG
Anti-HSV1 IgM

Anti-HSV2 IgG
Anti-HSV2 IgM
Anti-HSV1/2 IgG
Anti-HSV1/2 IgM

Anti-Measles IgG*
Anti-Mumps IgG*
Anti-Rubella IgG
Anti-Rubella IgM

Anti-Toxoplasma IgG
Anti-Toxoplasma IgM
Anti-VZV IgG*

 = Liquid ready-to-use samples

 = Lyophilised samples

PURPLE = The only parameters available on RQ9135/a

+ = Not accredited

* = Pilot study ongoing

Serum Indices Programme+

RQ9194 (1 ml)
3 Indices Assessments
25 Parameters
Samples Bi-Monthly (9 samples per distribution), 2 distributions per cycle

RQ9194/A (1 ml)

Indices Assessment (Quantitative and Semi-Quantitative)

Haemolysis Icteric Lipaemic

Parameter Assessment (Quantitative)

ALP	Cholesterol	Lactate	Sodium
ALT	CK NAC	LDH	Triglycerides
AST	Creatinine	Lipase	Urea
Bilirubin (Direct)	GGT	Magnesium	Uric Acid
Bilirubin (Total)	Glucose	Phosphate	
Calcium	HDL	Potassium	
Chloride	Iron	Protein (Total)	

Specific Proteins Programme *With target scoring*

RQ9114 (3 ml)
26 Parameters
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

RQ9187 (1ml)
26 Parameters
Samples every month, 1 x 12 monthly cycle, 12 month subscription

AFP	β -2-Microglobulin	IgA	Lambda Light Chain (Total)
Albumin	Ceruloplasmin	IgE	Prealbumin (Transthyretin)
α -1-Acid glycoprotein	Complement C ₃	IgG	Retinol Binding Protein
α -1-Antitrypsin	Complement C ₄	IgM	Rheumatoid Factor
α -2-Macroglobulin	C-Reactive Protein	Kappa Light Chain (Free)	Transferrin
Anti Streptolysin O	Ferritin	Kappa Light Chain (Total)	
Antithrombin III	Haptoglobin	Lambda Light Chain (Free)	

Sweat Testing Programme+

RQ9173 (2 ml)
2 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

Chloride Conductivity

Therapeutic Drugs Programme *With target scoring*

RQ9111 (5 ml)
18 Parameters
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription, Weighed-in values

Amikacin	Ethosuximide	Phenobarbital	Tobramycin
Caffeine	Gentamicin	Phenytoin	Valproic Acid
Carbamazepine	Lithium	Primidone	Vancomycin
Ciclosporin	Methotrexate	Salicylic Acid	
Digoxin	Paracetamol (Acetaminophen)	Theophylline	

Urinalysis Programme *With scoring*

RQ9138 (12 ml)
14 Parameters
Samples every 2 months, 1 x 12 month cycle, 12 month subscription

Albumin	Galactose	Leucocytes	Specific Gravity
Bilirubin	Glucose	Nitrite	Urobilinogen
Blood	hCG	pH	
Creatinine	Ketones	Protein	

Urine Toxicology Programme+

RQ9139 (5 ml)
20 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

Benzoylcegonine	d-Methamphetamine	MDMA	Phenobarbital
Buprenorphine	EDDP	Methodone	Secobarbital
Cannabinoids (THC)	Ethanol	Nortriptyline	
Cotinine	Free Morphine	Norpropoxyphene	
Creatinine	Lorazepam	Oxazepam	
d-Amphetamine	LSD	Phencyclidine	

Whilst every attempt is made to ensure that information is accurate and up-to-date, some information is subject to change, please contact RIQAS for current details.

RIQAS 



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