

RANDOX

EQA PROGRAMMES



RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME

FEATURES AND BENEFITS

Randox International Quality Assessment Scheme RIQAS

RIQAS is the largest international EQA scheme, used by more than 76,000 laboratory participants in over 140 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

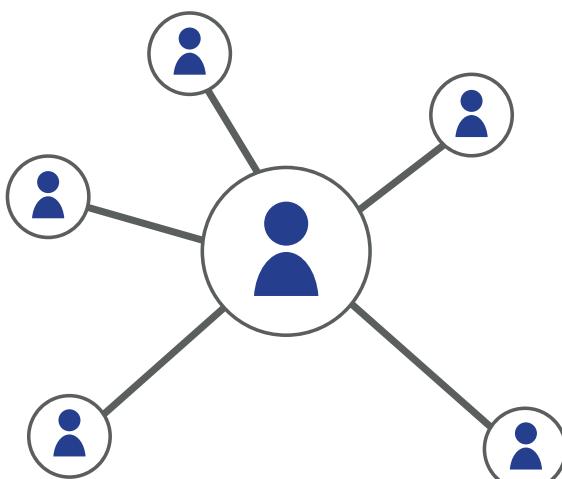
- Frequent reporting allows early identification of system errors and implementation of any necessary corrective actions with minimum disruption to the lab.
- With a turnaround of less than 72 hours for most reports, corrective action can be taken immediately reducing the time spent performing expensive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

Accredited

- RIQAS is accredited to ISO/IEC 17043:2010 "Conformity Assessment – General Requirements for Proficiency Testing" which is accepted by national and international accreditation bodies. Please see accreditation schedule for additional information.



RIQAS PROGRAMMES

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

RQ9134/A (1.8 ml)
Subsequent instruments
11 Parameters + 1 pilot

Bicarbonate
Ca++
Cl-

CO₂(Total)
Glucose
H+ *

Lactate
K+
Na+

pCO₂
pH
pO₂

Blood Typing Programme +



RQ9206 (4 ml & 2 ml)
6 Tests
2 challenges per quarterly distribution, 1 x 12 month cycle, 12 month subscription

ABO Group
Antibody Identification

Antibody Screen
Antigen Typing

Compatibility (Cross-Match)

Rh(D)

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

CK, Total
CK-MB (Activity)

CK-MB (Mass)
Homocysteine

Myoglobin
Troponin I

Troponin T

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

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

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	Protein S (Free)
Fibrinogen	Factor VII	Factor XII	
Antithrombin III	Factor VIII	Plasminogen	

CO-Oximetry Programme+ With target scoring



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

Carboxyhaemoglobin (COHb / HbCO)	Methaemoglobin (MetHb)	Oxygen Saturation (sO2 / Vol O2)	Total Haemoglobin (tHb)
Deoxyhaemoglobin (HHb)	Oxygen Content (O2CT)	Oxyhaemoglobin (O2Hb / HbO2)	

CYFRA 21-1 Programme• With target scoring



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

CYFRA 21-1 (Cytokeratin 19 fragment)

Cytokines Programme• With target scoring for IL-6



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-Y)*	Vascular Endothelial Growth Factor (VEGF)*
Interleukin - 1 alpha (IL-1α)*	Interleukin - 6 (IL-6)	Monocyte Chemoattractant Protein -1 (MCP-1)*	
Interleukin - 1 beta (IL-1β)*	Interleukin - 8 (IL-8)*	Tumour Necrosis Factor alpha (TNF-α)*	
Interleukin - 2 (IL-2)*	Interleukin - 10 (IL-10)*		

ESR Programme+ With target scoring



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 + 6 pilots	RQ9112/b (5 ml) 17 Parameters + 6 pilots	RQ9112/c (5 ml) Full 56 Parameters + 6 pilots	RQ9128 (5ml) Full 56 Parameters + 6 pilots
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription, reference method values			

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

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

RIQAS PROGRAMMES

Haematology Programme With target scoring

RQ9118 (2 ml) 11 Parameters Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription	RQ9140 (2ml) 11 Parameters Samples every month, 1 x 12 monthly cycle, 12 month subscription
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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)
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Human Urine Programme With target scoring

RQ9115 (2 x 10 ml) 25 Parameters + 2 pilots Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription	RQ9185 (10ml) 25 Parameters + 2 pilots Samples every month, 1 x 12 monthly cycle, 12 month subscription
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ACR Albumin/Microalbumin Amylase Anion Gap* Calcium Chloride Copper	Cortisol Creatinine Dopamine Epinephrine Glucose Metanephrine Norepinephrine	Normetanephrine Magnesium Osmolality Oxalate Phosphate (Inorganic) Potassium Protein (Total)	Protein/Creatinine Ratio* Sodium Urea Uric Acid VMA 5-HIAA
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Immunoassay Programme With target scoring

RQ9125/a (5 ml) 4 Parameters only + 4 pilots Samples every two weeks, 2 x 6 monthly cycles, 12 month subscription (RQ9125/a, RQ9125/b, RQ9125/c)	RQ9125/b (5 ml) 13 Parameters only + 4 pilots	RQ9125/c (5 ml) Full 50 Parameters + 4 pilots	RQ9130 (5 ml) Full 51 Parameters + 4 pilots Samples every month, 1 x 12 month cycle, 12 month subscription RQ9130
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ACTH AFP Aldosterone Amikacin Androstenedione β -2-Microglobulin CA125 CA15-3 CA19-9 Carbamazepine CEA Cortisol C-Peptide DHEA-Sulphate	DHEA Unconjugated Digoxin Estriol (Only available in RQ9130) Free Androgen Index (FAI)* Ferritin Folate FSH Gentamicin GH hCG IgE Insulin LH Oestradiol	17-OH-Progesterone Paracetamol Phenobarbital Phenytoin Progesterone Prolactin PSA (Free) PSA (Total) PTH PTH (1-84) Salicylate SHBG T-Uptake* T_3 (Free)	T_3 (Total) T_4 (Free) T_4 (Total) Testosterone (Free)* Testosterone (Total) Theophylline Thyroglobulin TSH Valproic Acid Vancomycin Vitamin B12 1-25-(OH) ₂ -Vitamin D* 25-OH-Vitamin D
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Immunoassay Speciality 1 Programme With target scoring

RQ9141 (2 ml) 10 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	PTH (1-84) Insulin
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Immunoassay Speciality 2 Programme With target scoring

RQ9142 (1 ml) 5 Parameters Samples every month, 1 x 12 month cycle, 12 month subscription
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Calcitonin Gastrin	Procalcitonin	Plasma Renin Activity	Renin (Direct Concentration)
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Immunosuppressant Programme• With target scoring

RQ9159 (2 ml) 4 Parameters Samples every month, 1 x 12 month cycle, 12 month subscription, reference method values

Cyclosporin	Everolimus	Sirolimus	Tacrolimus
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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	RQ9126/b (3 ml) Full 7 Parameters	LDL-Cholesterol Lipoprotein (a)	Triglycerides
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Apolipoprotein A1 Apolipoprotein B	Cholesterol (Total) HDL-Cholesterol		
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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 With target scoring



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

Direct Bilirubin

Total Bilirubin

sFlt-1/PIGF ratio

Pre-eclampsia Programme+



RQ9207 (1 ml)
4 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

PAPP-A

PIGF

sFlt-1

Serology Chagas Programme+



RQ9208 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription

Trypanosoma Cruzi 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-EBNA IgG

Anti-EBV VCA 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



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