

RANDOX

EQA PROGRAMMES



FEATURES AND BENEFITS

Randox International Quality Assessment Scheme **RIQAS**

RIQAS is the largest international EQA scheme, used by more than 85,000 laboratory participants in over 145 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

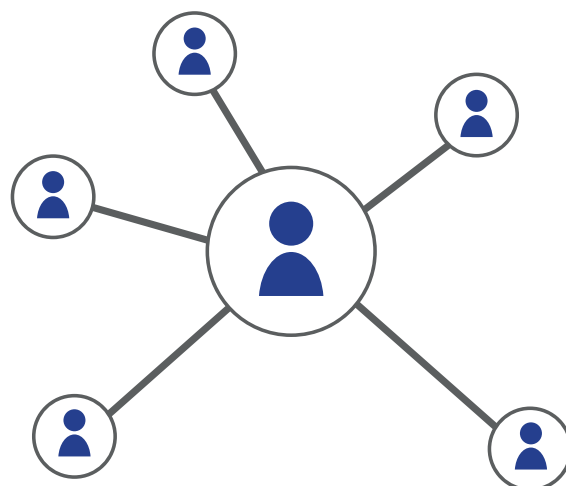
- Frequent reporting allows early identification of system errors and implementation of any necessary corrective actions with minimum disruption to the lab.
- With a turnaround of less than 72 hours for most reports, corrective action can be taken immediately reducing the time spent performing expensive 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 17043:2023 "Conformity Assessment – General Requirements for Proficiency Testing" which is accepted by national and international accreditation bodies. Please see accreditation schedule for additional information.



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 Samples every month, 1 x 12 month cycle, 12 month subscription
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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
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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
PT (including INR)
TT
Fibrinogen
Antithrombin III

RQ9135/b (1 ml)
Full 17 Parameters + 1 pilot

D-dimer*
Factor II
Factor V
Factor VII
Factor VIII

Factor IX
Factor X
Factor XI
Factor XII
Plasminogen

Protein C
Protein S
Protein S (Free)

CO-Oximetry Programme • *With target scoring*

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

Carboxyhaemoglobin (COHb / HbCO)
Deoxyhaemoglobin (HHb)

Methaemoglobin (MetHb)

Oxyhaemoglobin (O2Hb / HbO2)

Total Haemoglobin (tHb)

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 - 1 alpha (IL-1α)*
Interleukin - 1 beta (IL-1β)*
Interleukin - 2 (IL-2)*

Interleukin - 4 (IL-4)*
Interleukin - 6 (IL-6)
Interleukin - 8 (IL-8)*
Interleukin - 10 (IL-10)*

Interferon gamma (INF-γ)*
Monocyte Chemoattractant Protein -1 (MCP-1)*
Tumour Necrosis Factor alpha (TNF-α)*

Vascular Endothelial Growth Factor (VEGF)*

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

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

ACE (Angiotensin Converting Enzyme)
Acid Phosphatase (Prostatic)
Acid Phosphatase (Total)
Albumin
Alkaline Phosphatase
ALT (ALAT)
Amylase (Pancreatic)
Amylase (Total)
Anion Gap*
AST (ASAT)
Bicarbonate
Bile Acids
Bilirubin (Direct)
Bilirubin (Total)
Calcium
Calcium, Adjusted

RQ9112/b (5 ml)
17 Parameters + 6 pilots

Calcium (Ionised)
Chloride
Cholesterol
Cholinesterase
CK, Total (CPK)
Copper
Creatinine
D-3-Hydroxybutyrate
eGFR (estimated glomerular filtration rate)
FIB-4*
Fructosamine
γGT
GLDH
Glucose
HBDH
HDL-Cholesterol

RQ9112/c (5 ml)
Full 56 Parameters + 6 pilots

Iron
Lactate
LD (LDH)
LDL-Cholesterol
Lipase
Lithium
Magnesium
NEFA
Non-HDL Cholesterol
Osmolality
Osmolar Gap*
Phosphate (Inorganic)
Potassium
Protein (Total)
PSA
Sodium

RQ9128 (5ml)
Full 56 Parameters + 6 pilots

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

TIBC
T - Uptake*
T₃ (Free)
T₃ (Total)
T₃ (Free)
T₄ (Total)
Transferrin*
Transferrin Saturation*
Triglycerides
TSH
UIBC
Urea
Uric Acid
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)
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 (2 x 10 ml)
25 Parameters + 2 pilots
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

ACR
Albumin/Microalbumin
Amylase
Anion Gap*
Calcium
Chloride
Copper

Cortisol
Creatinine
Dopamine
Epinephrine
Glucose
Metanephrine
Norepinephrine

RQ9185 (10ml)
25 Parameters + 2 pilots
Samples every month, 1 x 12 monthly cycle, 12 month subscription

Normetanephrine
Magnesium
Osmolality
Oxalate
Phosphate (Inorganic)
Potassium
Protein (Total)

Protein/Creatinine Ratio*
Sodium
Urea
Uric Acid
VMA
5-HIAA

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)

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

RQ9125/c (5 ml)
Full 50 Parameters + 4 pilots

17-OH-Progesterone
Paracetamol
Phenobarbital
Phenytoin
Progesterone
Prolactin
PSA (Free)
PSA (Total)
PTH
PTH (1-84)
Salicylate
SHBG
T-Uptake*
T₃ (Free)

RQ9130 (5 ml)
Full 51 Parameters + 4 pilots
Samples every month, 1 x 12 month cycle, 12 month subscription (RQ9130)

T₃ (Total)
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)
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

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 • *With target scoring*

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

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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

Pre-eclampsia Programme+

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

PAPP-A

PIGF

sFlt-1

sFlt-1/PIGF ratio

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)
17 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

HIV Antibody/Antigen combined
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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