

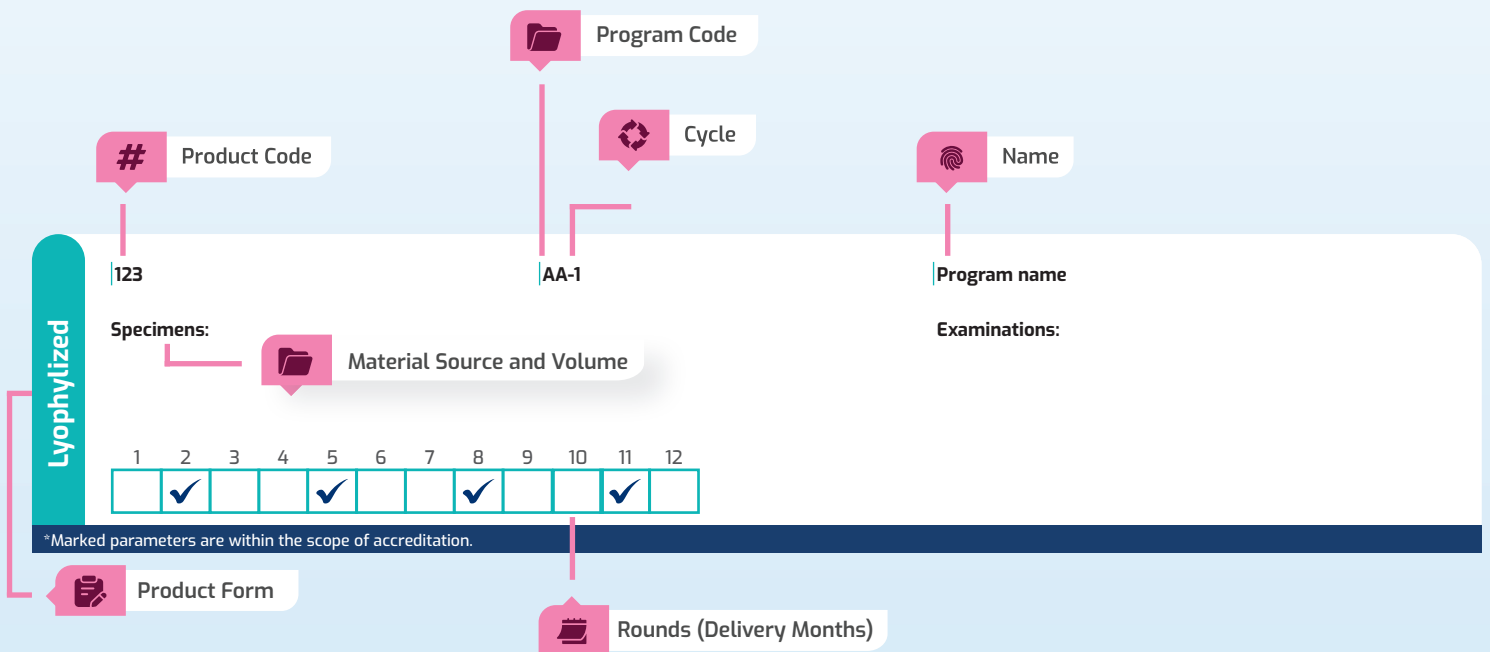
The logo for SEROQAS, featuring the word "SERO" in white on a teal oval background, followed by "QAS" in dark blue. The logo is set against a background of a laboratory scene with a test tube being filled with red liquid, and various scientific icons like a DNA helix and a flask.

SEROQAS

Product Catalogue 2025

**EXTERNAL QUALITY
CONTROL PROGRAMS**

How to use the catalogue



Lyophilized

100 | **CC-4** | **Clinical Chemistry**

Specimens:
Human serum samples, 3 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Examinations:
Potassium*, Sodium*, Chloride*, Total Protein*, HDL-Cholesterol*, LDL-Cholesterol, Total Bilirubin*, ALP*, Triglyceride*, LDH*, CK, Total Cholesterol*, Iron, UIBC, TIBC, AST (SGOT)*, ALT (SGPT)*, Phosphorus, Uric Acid, Amylase, Magnesium, Direct Bilirubin, Lipase, Glucose*, Albumin*, Urea*, GGT, Calcium*, Creatinine*

*Marked parameters are within the scope of accreditation.

Lyophilized

100 | **CC-12** | **Clinical Chemistry**

Specimens:
Human serum samples, 3 mL each

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Examinations:
Potassium*, Sodium*, Chloride*, Total Protein*, HDL-Cholesterol*, LDL-Cholesterol, Total Bilirubin*, ALP*, Triglyceride*, LDH*, CK, Total Cholesterol*, Iron, UIBC, TIBC, AST (SGOT)*, ALT (SGPT)*, Phosphorus, Uric Acid, Amylase, Magnesium, Direct Bilirubin, Lipase, Glucose*, Albumin*, Urea*, GGT, Calcium*, Creatinine*

*Marked parameters are within the scope of accreditation.

Lyophilized

130 | **SPE-4** | **Serum Protein Electrophoresis**

Specimens:
Human serum samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Examinations:
Albumin, α_1 , α_2 , Beta and Gamma Globulin Bands

Lyophilized

150 | **PP-4** | **Plasma Proteins**

Specimens:
Human serum samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Examinations:
ASO, CRP*, Hs CRP, RF, IgA, IgM, IgG, IgE, C3, C4

*Marked parameters are within the scope of accreditation.

Lyophilized

150 **PP-54** **Plasma Proteins-5**

Specimens:
Human serum samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Examinations:
IgG1, IgG2, IgG3, IgG4, Prealbumin, Alpha 1 Acid glycoprotein, Transferrin, Haptoglobin, Ceruloplasmin, C1 Esterase inhibitor, Alpha-1-antitrypsin, Alpha-2-macroglobulin, Apolipoprotein A1, Apolipoprotein A2, Free and Total Kappa, Free and Total Lambda, Beta-2-microglobulin, Cystatin C

Lyophilized

170 **TDM-4** **Therapeutic Drug Monitoring**

Specimens:
Human serum samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Examinations:
Digoxin, Phenytoin, Phenobarbital, Carbamazepine, Lithium, Salicylate, Theophylline, Valproic Acid, Vancomycin, Gentamicin

Lyophilized

170 **TDM-12** **Therapeutic Drug Monitoring**

Specimens:
Human serum samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Examinations:
Digoxin, Phenytoin, Phenobarbital, Carbamazepine, Lithium, Salicylate, Theophylline, Valproic Acid, Vancomycin, Gentamicin

Lyophilized

250 **UT-4** **Urine Toxicology**

Specimens:
Urine samples, 5 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Examinations:
Amphetamine, Barbiturates, Buprenorphi diazepines, Cocaine, Ketamine, Methamph Morphine/Opiates, Methadone, Phencyclir I/K2 (JWH-018), SPICE II (XLR-11/UR-144), Marijuana/ Hashish (11-nor- Δ^9 -THC-9-COOH), Methylenedio- ymethamphetamine (MDMA, Ecstasy)

NEW

Lyophilized

250

UT-12

Specimens:

Urine samples, 5 mL each

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Urine Toxicology

Examinations:

Amphetamine, Barbiturates, Buprenorphi
diazepines, Cocaine, Ketamine, Methamph
Morphine/Opiates, Methadone, Phencycli
I/K2 (JWH-018), SPICE II (XLR-11/UR-144), Marijuana/
Hashish (11-nor- Δ^9 -THC-9-COOH), Methylenedioxy-me-
thamphetamine (MDMA, Ecstasy)

NEW

Lyophilized

350

CGL-S4

Specimens:

Human plasma samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Coagulation-S

Examinations:

Lupus Anticoagulant, Protein-S, Protein-C, Factor II, Factor
V, Factor VIII, Factor X, Factor IX, Factor XI, Factor XII, vWF,
Activated Protein C Resistance, TT

Lyophilized

350

CGL-12

Specimens:

Human plasma samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Coagulation

Examinations:

PT*, aPTT*, Fibrinogen, INR

*Marked parameters are within the scope of accreditation.

Lyophilized

350

CGL-DDIM4

Specimens:

Human plasma samples, 1 mL each

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Coagulation-DDIM

Examinations:

D-Dimer*

*Marked parameters are within the scope of accreditation.

Lyophylized

350 | **CGL-DDIM12** | **Coagulation-DDIM**

Specimens:
Human plasma samples, 1 mL each

Examinations:
D-Dimer*

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*Marked parameters are within the scope of accreditation.

Lyophylized

400 | **IMM-4** | **Immunoassay**

Specimens:
Human serum samples, 5 mL each

Examinations:
Anti-TG, Anti-TPO, Ferritin*, Folic Acid, FSH, Free T3*, Free T4*, hCG (Beta)*, Estradiol, LH, Progesteron, Prolactin, TSH*, Total Testosteron, Vitamin B12*, 25-OH Vitamin D3, Insulin.

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

*Marked parameters are within the scope of accreditation.

Lyophylized

400 | **IMM-54** | **Immunoassay-5**

Specimens:
Human serum samples, 5 mL each

Examinations:
17-OH progesteron, Kortizol, DHEA-504, Free Testosteron, Aldosteron, Calcitonin, SHBG, Anti-CCP, IGF-1, IGFBP3, Eritropoetin, C-Peptit, Growth Hormon, ACTH, Androstenedion, Renin, AMH

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Lyophylized

400 | **IMM-12** | **Immunoassay**

Specimens:
Human serum samples, 5 mL each

Examinations:
Anti-TG, Anti-TPO, Ferritin*, Folic Acid, FSH, Free T3*, Free T4*, hCG (Beta)*, Estradiol, LH, Progesteron, Prolactin, TSH*, Total Testosteron, Vitamin B12*, 25-OH Vitamin D3, Insulin.

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*Marked parameters are within the scope of accreditation.

Lyophilized

400 | **IMM-PTH4** | **Immunoassay-PTH**

Specimens:
Human serum samples, 1 mL each

Examinations:
PTH

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Lyophilized

400 | **IMM-PTH12** | **Immunoassay-PTH**

Specimens:
Human serum samples, 1 mL each

Examinations:
PTH

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Lyophilized

450 | **TM-4** | **Tumor Marker**

Specimens:
Human serum samples, 2 mL each

Examinations:
AFP, CEA*, CA125, CA15-3, CA19-9, Total PSA*, Free PSA

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

*Marked parameters are within the scope of accreditation.

Lyophilized

450 | **TM-12** | **Tumor Marker**

Specimens:
Human serum samples, 2 mL each

Examinations:
AFP, CEA*, CA125, CA15-3, CA19-9, Total PSA*, Free PSA

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*Marked parameters are within the scope of accreditation.

Lyophilized

470

PCT-4

Procalcitonin

Specimens:

Human serum samples, 1 mL each

Examinations:

Procalcitonin

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Lyophilized

500

GH-4

Diabetes

Specimens:

Human whole blood hemolysate samples, 1 mL each

Examinations:

HbA1c*

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

*Marked parameters are within the scope of accreditation.

Lyophilized

500

GH-12

Diabetes

Specimens:

Human whole blood hemolysate samples, 1 mL each

Examinations:

HbA1c*

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*Marked parameters are within the scope of accreditation.

Lyophilized

530

ISD-4

Immunosuppressive Drug

Specimens:

Human whole blood hemolysate samples, 1 mL each

Examinations:

Tacrolimus, Cyclosporine, Sirolimus, Everolimus

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

*Marked parameters are within the scope of accreditation.

Lyophilized

540

TLS-4

Thalassemia

Specimens:

Human whole blood hemolysate samples, 1 mL each

Examinations:

Hemoglobin A2, Hemoglobin A0

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Lyophylyzed | **540** | **TLS-12** | **Thalassemia**

Specimens:
Human whole blood hemolysate samples, 1 mL each

Examinations:
Hemoglobin A2, Hemoglobin A0

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Lyophylyzed | **700** | **CM-4** | **Cardiac Marker**

Specimens:
Human serum samples, 1 mL each

Examinations:
Troponin I, Troponin T, CK-MB (Mass), High Sensitive Troponin I, High Sensitive Troponin T

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Lyophylyzed | **700** | **CM-54** | **Cardiac Marker-S**

Specimens:
Human serum samples, 1 mL each

Examinations:
BNP, NT-ProBNP, Myoglobin

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Lyophylyzed | **700** | **CM-12** | **Cardiac Marker**

Specimens:
Human serum samples, 1 mL each

Examinations:
Troponin I, Troponin T, CK-MB (Mass), High Sensitive Troponin I, High Sensitive Troponin T

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Lyophylyzed | **900** | **PS-4** | **Prenatal Screening**

Specimens:
Human serum samples, 1 mL each

Examinations:
AFP, E3, BHCG, PAPP-A, Free Beta hCG, Inhibin-A

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

*Marked parameters are within the scope of accreditation.

Liquid

160

EA-4

Ethanol, Ammonia

Specimens:

Ready-to-use solution, 1 mL each

Examinations:

Ethanol, Ammonia

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

160

EA-12

Ethanol, Ammonia

Specimens:

Ready-to-use solution, 1 mL each

Examinations:

Ethanol, Ammonia

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Liquid

200

UA-4

Urinalysis

Specimens:

Urine samples, 4 mL each

Examinations:

Glucose, Protein, Bilirubin, Urobilinogen, Nitrite, Ketone, pH, Erythrocyte, Leukocyte, Density

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

200

UA-12

Urinalysis

Specimens:

Urine samples, 1 mL each

Examinations:

Glucose, Protein, Bilirubin, Urobilinogen, Ketone, pH, Erythrocyte, Leukocyte, Dens

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Liquid

210 **UC-4** **Urine Chemistry**

Specimens:
Urine samples, 1 mL each

Examinations:
Creatinine, Microprotein, Microalbumin, Calcium, Sodium, Potassium, Chloride, Urea, Uric acid, Glucose, Magnesium

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

220 **US-4** **Urine Sediment**

Specimens:
Ready-to-use solution, 4 mL each

Examinations:
Urine Microscopy (Erythrocyte, Leukocyte, Epithelium, Crystal)

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

220 **US-12** **Urine Sediment**

Specimens:
Ready-to-use solution, 1 mL each

Examinations:
Urine Microscopy (Erythrocyte, Leukocyte, Epithelium, Crystal)

NEW

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Liquid

550 **IH-4** **Immunohematology**

Specimens:
Human Erythrocyte suspensions 2 ml each, plasma samples 1 ml each

Examinations:
Forward Grouping (ABO), Reverse Grouping (ABO), Rh Factor, Cross Match, Direct Coombs, Indirect Coombs

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

570 **BG-4** **Blood Gases**

Specimens:
Ready-to-use solution, 2.5 mL each

Examinations:
pCO₂, pH, pO₂, Calcium, Chloride, Glucose, Lactate, Potassium, Sodium

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

570 **BG-12** **Blood Gases**

Specimens:
Ready-to-use solution, 2.5 mL each

Examinations:
pCO₂, pH, pO₂, Calcium, Chloride, Glucose, Lactate, Potassium, Sodium

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Liquid

580 **HM-4** **Hematology**

Specimens:
Human whole blood samples, 3 mL each

Examinations:
HCT, HGB, MCH, MCHC, MCV, MPV, PLT, RBC, PDW, WBC

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

580 **HM-12** **Hematology**

Specimens:
Human whole blood samples, 3 mL each

Examinations:
HCT, HGB, MCH, MCHC, MCV, MPV, PLT, RBC, PDW, WBC

1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Liquid

590

ESR-4

Sedimentation

Specimens:

Human whole blood samples, 3 mL each

Examinations:

Eythrocyte sedimentation rate (ESR)

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

600

VM-4

Viral Marker

Specimens:

Human serum samples, 1 mL each

Examinations:

HBsAg, HBsAb, Anti-HIV, Anti-HCV, HBeAg, Anti-Hbe
Anti-HBC-Total, Anti-HBC IgM, Anti-Hav Total, Anti-Hav IgM,
Syphilis (VDRL)

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

Liquid

680

TRC-4

TORCH Panel

Specimens:

Human serum samples, 1 mL each

Examinations:

Toxoplasmosis IgG-IgM, Rubella IgG-IgM, CMV IgG-IgM

1	2	3	4	5	6	7	8	9	10	11	12
	✓			✓			✓			✓	

