

Product Catalogue 2024









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FAQ (Frequently Asked Questions)

Will my EQA programs I participate be accepted by the legal authorities?

SEROCON^(®) is a competency testing provider registered in the Ministry of Health system with ISO17043 accreditation, in this context, all its programs are valid at the international level.

I lost the report of my program I attended 2 years ago, what can I do for a special job?

SEROCON[®] PORTAL serves with "in house" software and all reports generated are stored on the active server for 5 years and as archive data for 10 years.

I worked on the wrong sample this month and my evaluation scores are very bad, I worked again, can you give a new report?

An institution working in accordance with the TS EN ISO/IEC 17043 quality management system cannot make a second report after the reporting date for a reported cycle, which can be seen as a result of taking a known exam. SEROCON® guides you in such cases, what you need to do in your own laboratory is explained to you by the expert team, and the necessary documentation is provided for you to evaluate yourself.

How are performance evaluations made?

Performance evaluations in SEROCON[®], EQA programs are carried out according to the guidelines of TS EN ISO 13528 standard. For more detailed information, you can review our conversion protocol on our website.

How do I enroll in programs?

You can contact us via our website and our team will contact you and guide you through the process.

Can I use a single sample for more than one device in the same facility?

Yes, but the amount of sample sent and the amount of sample required for analysis should be carefully examined. You can contact us on our website to get more detailed information about such issues.

There are titles such as general, method and method-device in my reports, what are they?

While the EQA programs you participate in are subjected to statistical evaluation, they are examined in 3 groups. General is the total pool of all results independent of method and device, allowing you to compare yourself with other device groups. The method is a subset of devices that use the same method, specifically allowing you to see your device performance within the group of methods you are involved in. The method-device (peer) is a group of the same participants as your own method and device and shows your own performance at the peer level.

Which one should I consider in general, method and method-device groups?

It is the method-device (peer) group that shows your actual performance, other upper groups are presented for information purposes.

Can I get information about different device groups in the reports?

In our reports, information about other device groups other than your peer group is presented at the bottom of the report.

Can I start the programs in the semester?

Yes, you can. However, you will not have the chance to be included in the evaluations of the previous months, if the sample working period has not expired for the month in which the registration is made, if it has expired within that month, your evaluations for the next month will start.

During the period, the tender was made and I changed the device, what should I do?

If you continue our programs after your device has changed, you can continue the system where you left off with your new device group by informing us. In the system, both the data of your old device and the current data of the newly added device are presented.



About Us

SEROCON[®], which started its corporate activities in 2017, started its scientific and commercial activities under the name SEROPARK[®] in 2012.

Established Selcuk in University Technopark, SEROPARK® started the production of "Internal Quality Control Material" based on the lyophilization of the whole blood/serum and plasma matrix of human origin, which has not yet been mass-produced in the country, with the "Lyophilization" technology it has based on its academic knowledge.

In order to solve the problems encountered in the procurement of biological materials required for production and R&D studies, significant efforts were made to provide a legal basis for the procedure of collecting biological materials for use in the production of Internal and External Quality Control Materials with the significant contribution and support of bureaucrats working within the Ministry of Health. Republic of Turkiye with the circular of the Republic of Turkiye Ministry of Health General Directorate of Health Services dated 28.10.2013 and numbered 2013/9 specifying the Procedures and Principles on Biological Material Supply Protocol from Public Institutions and Organizations Laboratories, a legal basis was established to be used in the production of Internal and External Quality Control Material.

After the developments in SEROPARK[®] company structuring in this period, SEROCON[®] R&D Biotechnology Health Chemistry Industry Trading Co started its scientific and commercial activities on 11.01.2017, taking past experience and experience as a basis, with the aim of protecting the existing knowledge and infrastructure and meeting the field demands.

SEROCON[®], which quickly carried its internal structuring to the corporate ground, primarily aimed to produce "Domestic and Lyophilized External Quality Control Material" by enriching its technical infrastructure and personnel portfolio while continuing the production of "Internal Quality Control Material" uninterruptedly.

The necessary documentation procedure and registration rights were completely completed with the software infrastructure of SEROCON[®], and TURKAK 17043 application was made in 2022 and completed as of April 11, 2023. With its TS EN ISO/IEC 17043 accreditation, SEROCON[®] continues to provide External (SEROQAS[®]) Quality Control Material services to all its stakeholders at home and abroad.



Our services

SEROOAS

External Quality Control Programs

External Quality Control can be defined as a program in which multiple samples are periodicallyn sent to the members of a group of laboratories for analysis and/or identification purposes through independent institutions or organizations. The results of each laboratory are compared with the results of other laboratories in the group and/or with an assigned value and reported to the participating laboratories and others. External quality control is a tool for laboratories to test its accuracy. A participating laboratory can compare the results in its own method and device with different methods and devices in other laboratories.



Internal Quality Control Programs SEROCHECK

Clinical laboratories play an important role up to 70% in the diagnosis of diseases. In order for the diagnostic results produced by laboratories to be accurate and precise, it is necessary to monitor the performance of the devices. For this purpose, "Internal Quality Control" samples should be run at certain intervals in order to monitor the precision and to prove that the devices work smoothly on a daily basis.



Continuous Quality Assurance System

The SEROCON® DIQAS® program is a system where all laboratories worldwide using internal quality control materials can instantly track their results. As it is known, the results of the external quality controls are explained about 1 month after the sample is analyzed. Thus, the participating laboratory can retrospectively monitor any systematic errors related to the parameters it works with. With the SEROCON® DIQAS® program, it is aimed to detect errors instantly and to carry out corrective and preventive actions. From a point of view, it can actually be considered as an external quality control program that is constantly studied instantly. Participants will be able to monitor the values of the internal quality control materials they use from the system. They are given the chance to observe the values of that moment and the instantaneous performance of the participating laboratory in all laboratories using the same method and the same device. All statistical evaluations are calculated in the same way as the methods applied in the external quality control report. Thanks to this program, errors that may occur in the laboratory can be detected and corrected instantly.

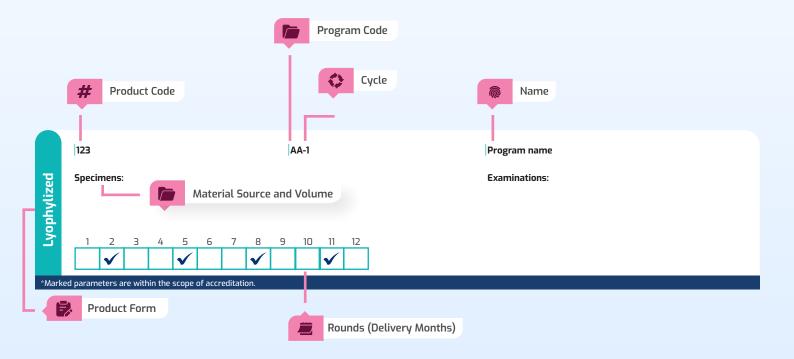
Quality Management System

SEROCON® TURKAK is a qualification test provider that has TS EN ISO/IEC 17043 accreditation and continues all its operations according to the requirements of this standard. To get more information about the accreditation details and our services, please visit our website (www.serocon.com) visit.

SEROQAS

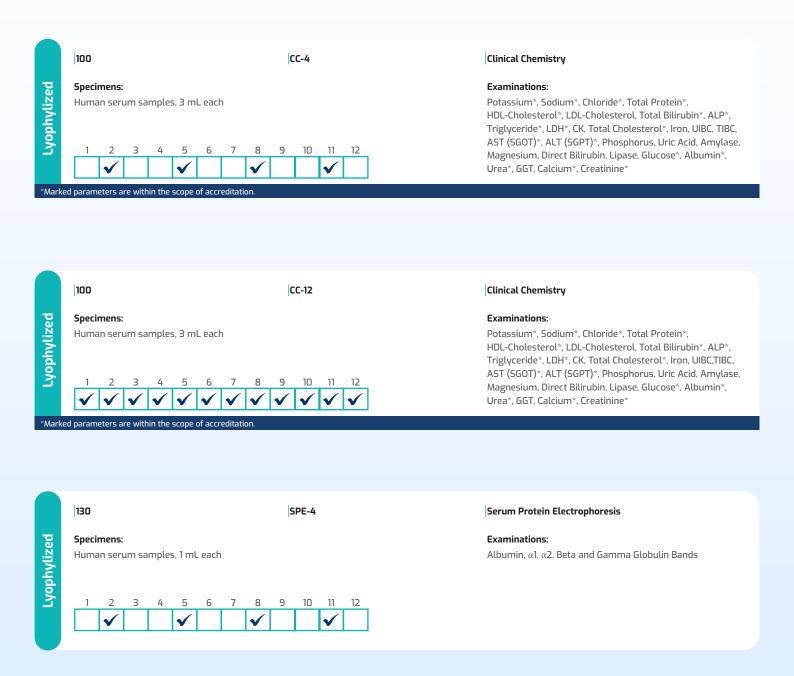
EXTERNAL QUALITY CONTROL PROGRAMS











 ISO
 PP-4

 Specimens:
 Human serum samples, 1 mL each

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*Marked parameters are within the scope of accreditation.

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Plasma Proteins

Examinations: ASO, CRP[∗], Hs CRP, RF, IgA, IgM, IgG, IgE, C3, C4



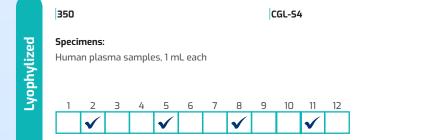




	170	TDM-4	Therapeutic Drug Monitoring
B	Specimens:		Examinations:
/liz(Human serum samples, 1 mL eac	h	Digoxin, Phenytoin, Phenobarbital, Carbamazepine,
phylized			Lithium, Salicylate, Theophylline, Valproic Acid, Vancomycin, Gentamicin
	1 2 3 4 5 6	7 8 9 10 11 12	
	\checkmark	\checkmark \checkmark	
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	35	50								C	GL-4			Coagulation
/ophylized	Specimens: Human plasma samples, 1 mL each							:h		Examinations: PT*, aPTT*, Fibrinogen , INR				
Lyop	_	1	2	З	4	5	6	7	8	9	10	11	12	
			\checkmark			\checkmark			\checkmark			\checkmark		

*Marked parameters are within the scope of accreditation



Coagulation-S

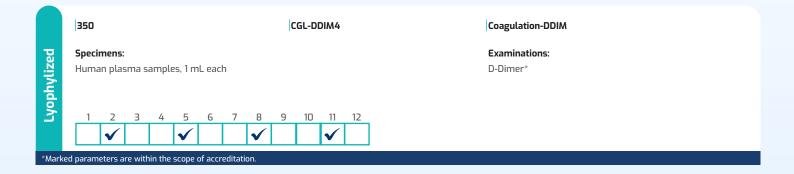
Examinations:

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

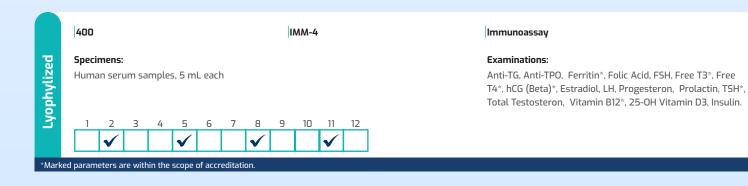








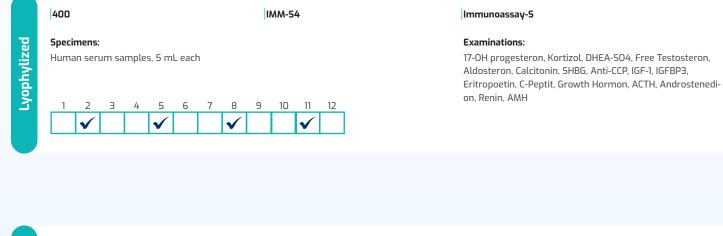
350	CGL-DDIM12	Coagulation-DDIM					
Specimens: Human plasma samples, 1 mL	each	Examinations: D-Dimer*					
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rked parameters are within the scope of accreditation.							



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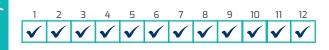
IMM-PTH12

	400	IMM-PTH4	Immunoassay-PTH
Lyophylized	Specimens: Human serum samples, 1 mL each		Examinations: PTH
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Specimens: Human serum samples, 1 mL each

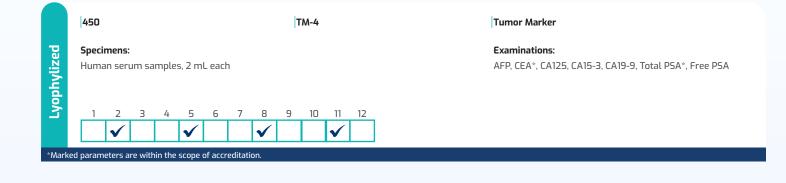


Immunoassay-PTH

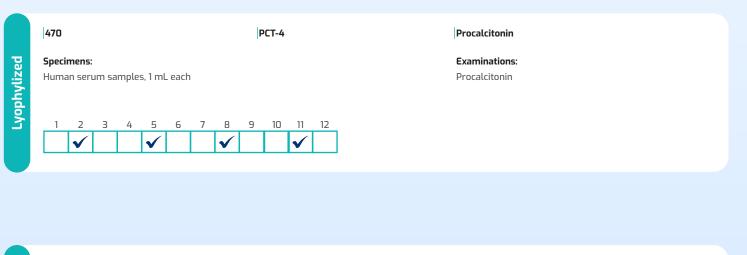
Examinations: PTH

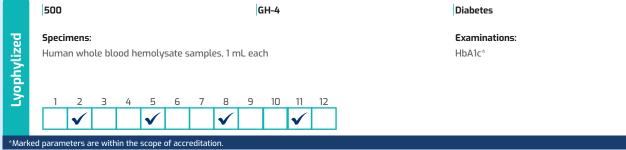


















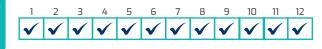


540				TLS-4				TLS-4		Thalassemia		
Spec	Specimens:						Examinations:					
Hum	nan wh	ole blo	od he	moly	sate s	sampl	les, 1 r	nL ea	ch			Hemoglobin A2, Hemoglobin A0
1	7	7	6	_	c	7		0	10	11	17	
	2	3	4	5	6	/	8	9	10	11	12	
	\mathbf{V}			\checkmark			\checkmark			\checkmark		

540

TLS-12

Specimens: Human whole blood hemolysate samples, 1 mL each

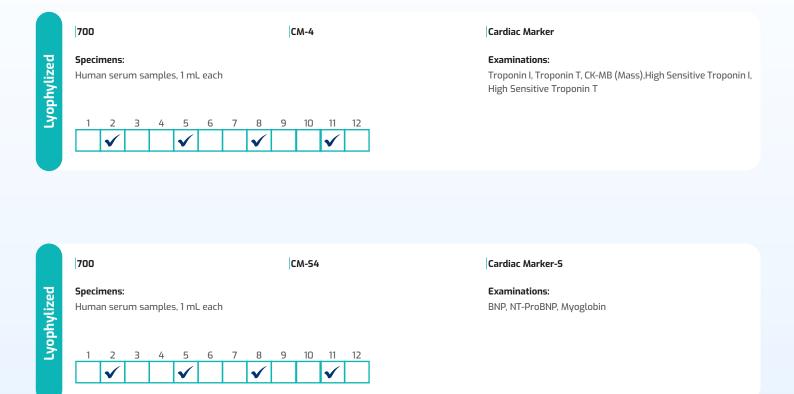


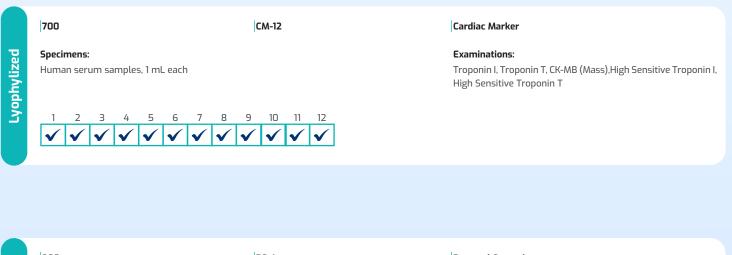
Thalassemia

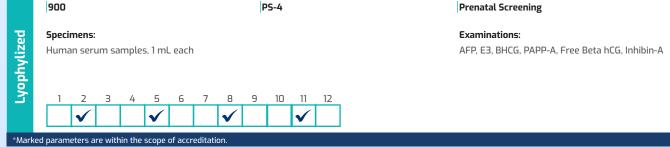
Examinations: Hemoglobin A2, Hemoglobin A0







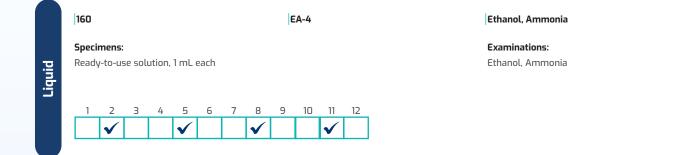




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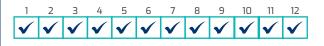
EA-12

UC-4

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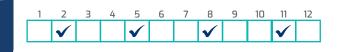
Specimens: Ready-to-use solution, 1 mL each



200 Urinalysis UA-4 Examinations: Specimens: Glucose, Protein, Bilirubin, Urobilinogen, Nitrite, Ketone, pH, Liquid Urine samples, 4 mL each Erythrocyte, Leukocyte, Density 6 8 9 10 11 12 5 ~ • ~

210

Specimens: Urine samples, 1 mL each



Urine Chemistry

Examinations:

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

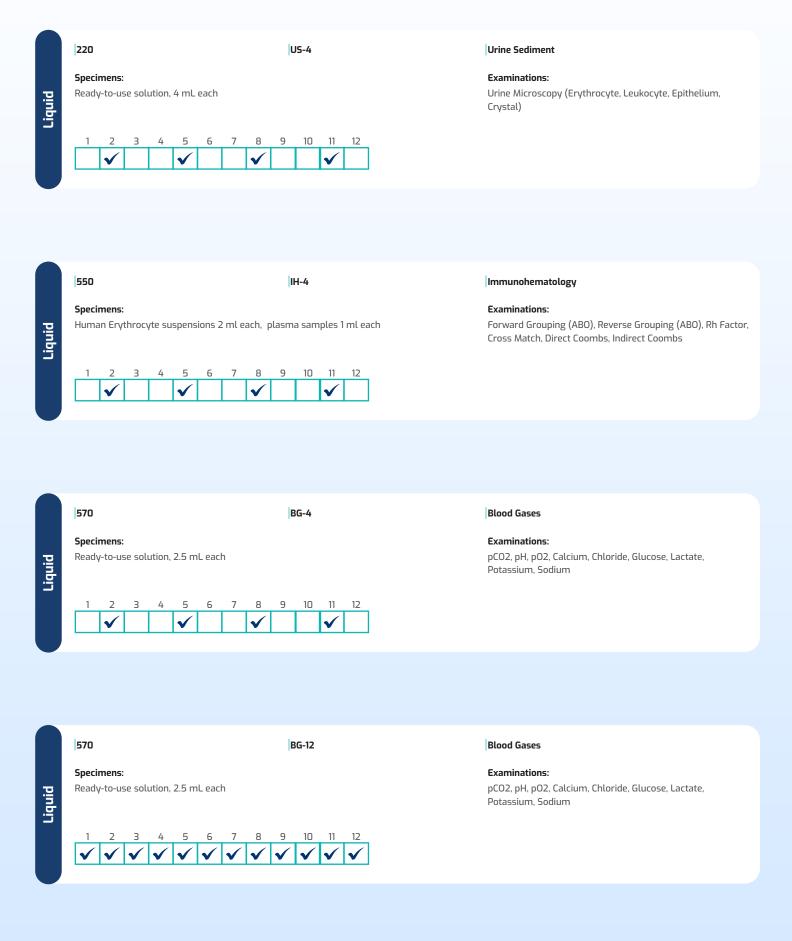
Ethanol, Ammonia

Examinations: Ethanol, Ammonia

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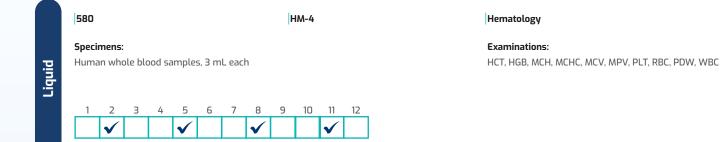












HM-12

VM-4

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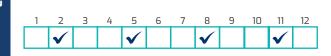
Specimens:

	590	ESR-4	Sedimentation
Liquid	Specimens: Human whole blood samples, 3 mL each		Examinations: Eythrocyte sedimentation rate (ESR)
	1 2 3 4 5 6 7 8 9	9 10 11 12	

Liquid

600

Specimens: Human serum samples, 1 mL each



Viral Marker

Hematology

Examinations:

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

Examinations:

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







SERCCHECK

INTERNAL QUALITY CONTROL PROGRAMS





Biochemistry Control

- Provides a comprehensive range of clinical chemistry analytes for integrated and modular platforms.
- Lyophilized control available in two levels
- Human serum based
- 3-year shelf life at 2–8°C
- 5-day reconstituted stability at 2–8°C for most analytes
- 30-day reconstituted stability at -20°C to -70°C

Analytes

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

Ordering Information



Ordering Information

Cat#	Description	
102	Level 2	12x3 ml
	Seroci Biochec	

Protein / Immunology Control

- Contains many serum proteins and related analytes
- Lyophilized, human serum based
- ► 3-year shelf life at 2–8°C
- 5-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

α-1-Acid Glycoprotein, α-1-Antitrypsin, α-2-Macroglobulin,
α-2-Microglobulin, Albumin, Antistreptolysin O (ASO),
Ceruloplasmin, Complement C1q, Complement C3
Complement C4, CRP, Haptoglobin, Immunoglobulin A (IgA)
Immunoglobulin E (IgE), Immunoglobulin G (IgG)
Immunoglobulin M (IgM), Kappa Light Chain, Lambda Light
Chain, Prealbumin, Retinol Binding Protein (RBP),
Rheumatoid Factor, Transferrin

Ordering Information

Cat#	Description	
151	Level 1	12x1 ml



Cat#	Description	
152	Level 2	12x1 ml







Therapeutic Drug Monitoring Control

- Lyophilized
- For labs that run a high volume of serum therapeutic drug tests or prefer dedicated TDM controls
- Human serum-based control
- ► 3-year shelf life at 2–8°C
- 30-day reconstituted stability at 2–8°C
- 90-day reconstituted stability at -20°C to -70°C

Analytes

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

Ordering Information



Ordering Information



Coagulation Control

- Extended open-vial stability reduces the cost of daily QC
- Lyophilized control available in two levels
- Three-year shelf life allows laboratories to save money by performing fewer crossover studies
- Human based
- 3-year shelf life at 2–8°C
- 3-day reconstituted stability at 2–8°C for most analytes
- ► 30-day reconstituted stability at -20°C to -70°C

Analytes

Activated Partial Thromboplastin Time (aPTT), Prothrombin Time (PT), Fibrinogen

Ordering Information





Cat#	Description	
352	Level 2	12x1 ml







DDIM Control

- Extended open-vial stability reduces the cost of daily QC
- Lyophilized control available in two levels
- Human based
- 3-year shelf life at 2–8°C
- 3-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C



D-Dimer

Ordering Information



Ordering Information

Cat# Description 362 Level 2 12x1 ml



Immunoassay Control

- Includes most common analytes with increasing clinical utilization
- Lyophilized control available in two levels
- Human serum based
- 3-year shelf life at 2–8°C
- 7-day reconstituted stability at 2–8°C for most analytes
- 30-day reconstituted stability at -20°C to -70°C

Analytes

Anti-TG, Anti-TPO, Ferritin, Folic Acid, FSH, Free T3, Free T4, hCG-β Subunit (Free), Estradiol, LH, Progesterone Prolactin, TSH, Total Testosterone, Vitamin B12, 25-Hydroxy Vitamin D3, Insulin, 17-OH progesterone Cortisol, Growth Hormone

Ordering Information

Cat#	Description	
401	Level 1	12x5 ml











Vitamin D Control

- Lyophilized
- Human serum-based control
- ► 3-year shelf life at 2–8°C
- ► 3-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

25-Hydroxy Vitamin D3

Ordering Information



Ordering Information



Parathormone Control

- Two levels PTH concentrations
- Provides a highly efficient solution for laboratories that focus on routine tests
- Lyophilized, human serum based
- 3-year shelf life at -20°C to -70°C
- 2-year shelf life at -15°C to -20°C
- 8-hour reconstituted stability at 2-8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

PTH (Intact)

Ordering Information





Cat#	Description	
422	Level 2	12x1 ml







Specific Immunoassay Control

- Offers a vast array of specific routine immunoassay analytes
- Provides a highly efficient solution for laboratories that focus on routine tests
- Lyophilized, human serum based
- ► 3-year shelf life at 2–8°C
- 5-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

AFP, CEA, CA-125, CA-15-3, CA-19-9, CA-72-4, Total PSA, Free PSA

Ordering Information

Cat#	Description	
451	Level 1	12x3 ml
		2 ^t 2 ^t 8 ^t 3 ^r 3 mL H ₂ 0 r

Ordering Information

Cat# Description 452 Level 2 12x3 ml



Procalcitonin Control

- Lyophilized control available in two levels
- Human serum based
- ► 3-year shelf life at 2–8°C
- 3-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

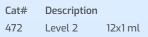


Procalcitonin

Ordering Information

Cat#	Description	
471	Level 1	12x1 ml











Hypertension Markers Control

- Provides relevant values in monitoring precision for analytes specific to pituitary-adrenal axis disorders
- Lyophilized human serum based
- 3-year shelf life at -20°C to -70°C
- 2-year shelf life at -15°C to -20°C
- 8-hour reconstituted stability at 2–8°C

Analytes

ACTH, ADH, Aldosterone, Cortisol, Renin

Ordering Information



Ordering Information



Diabetes Control

- Designed to monitor the assay precision of Haemoglobin A1c associated with diabetes
- Lyophilized control available in two levels
- Human whole blood-based control
- ► 3-year shelf life at 2–8°C
- 7-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

Hemoglobin A1c

Ordering Information





Cat#	Description	
502	Level 2	12x1 ml







Immunosuppressant Control

- Two levels ranging from low to high immunosuppressant concentrations
- Compatible with chromatography and most immunoassay methods.
- Lyophilized, human blood based
- 3-year shelf life at 2–8°C
- 14-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

Cyclosporine, Everolimus, Sirolimus, Tacrolimus

Ordering Information



Ordering Information



Thalassemia Control

- Lyophilized
- Human whole blood-based control
- ► 2-year shelf life at 2–8°C
- 7-day reconstituted stability at 2–8°C
- 30-day reconstituted stability at -20°C to -70°C

Analytes

Hemoglobin A2, Hemoglobin F

Ordering Information

Cat#	Description	
541	Level 1	12x1 ml











Cardiac Markers / STAT Control

- Designed to monitor precision of cardiac marker assays
- Lyophilized human serum based
- 3-year shelf life at 2–8°C
- 3-day reconstituted stability at 2–8°C for most analytes
- ► 30-day reconstituted stability at -20°C to -70°C

Analytes

Troponin I, Troponin T, High Sensitive Troponin I, High Sensitive Troponin T, CK-MB (mass), Myoglobin, BNP, NT-proBNP

Ordering Information

Cat#	Description	
701	Level 1	12x3 ml



Ordering Information

Cat#	Description	
702	Level 2	12x3 ml



Prenatal Screening Control

- Designed to monitor the precision of immunoassay test methods used during maternal serum first trimester screening
- Includes clinically relevant levels of Free beta hCG and PAPP-A
- Lyophilized, human serum based
- ► 3-year shelf life at 2–8°C
- 15-day reconstituted stability at 2–8°C
- 90-day reconstituted stability at -20°C to -70°C

Analytes

AFP, Inhibin-A, PAPP-A, hCG, Free Estriol, hCG- β Subunit (Free)

Ordering Information





Cat#	Description	
902	Level 2	12x1 ml





+90 (850) 303 66 44

info@**serocon**.com www.**serocon**.com Fevzi Çakmak Mahallesi, 10739. Sokak No:16 - 42050 - Karatay / KONYA