

# TRUE CONTROL

SERO PRODUCT CATALOGUE



The independent control sera specialist since 1963

# We enable laboratories to stay in control

## OUR CORE VALUES

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### ETHICAL

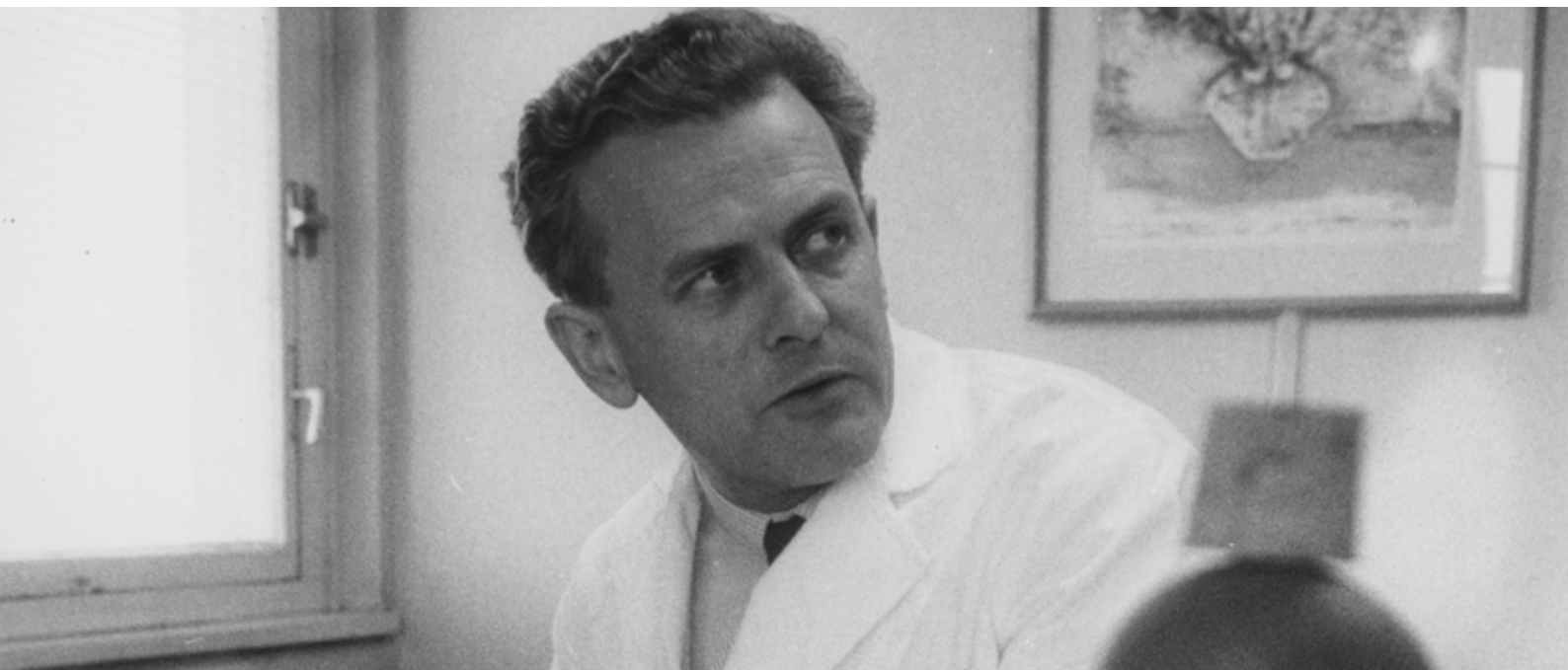
Ethics affect all we do, particularly our selection, collection and purchase of blood products and raw materials. Traceability, accountability and independence are at the core of our business.

### DEDICATED

We are passionate professionals who know what it takes to provide high-quality products and services – dedication from each and every one of us, always.

### FLEXIBLE

We are customer oriented and always open to new and improved solutions for our customers and partners. We know our flexibility is the key to addressing the needs of a fast-changing laboratory market.



Professor Dr. Med. Lorentz Eldjarn, founder of SERO and pioneer in the field of QC materials for the laboratory.

## SERO – dedicated to laboratory quality since 1963

### HISTORY

Professor Dr. Med. Lorentz Eldjarn started developing Quality Control (QC) materials as early as the 1950s and was a pioneer in the field when he established SERO as a specialized QC manufacturer in 1963. The Clinical Chemistry Award he received from the International Federation of Clinical Chemistry in 1975 underscores the important role that SERO has played in the development of this important field of laboratory medicine.

### SERO TODAY

SERO is a Norwegian biotechnology company specialized in the production of quality control materials for medical laboratories. For many biotechnicians worldwide, our brand Seronorm™ has been synonymous with trust and a high level of reliability for decades.

Almost 60 years after its start, SERO still focuses solely on QC materials and has extensive experience in immunoassay, clinical chemistry, lipids, hormones, proteins, tumour markers, cardiac markers, diabetes, trace elements and therapeutic drugs.

We carry out all of our activities at our integrated production facilities located close to Oslo. This includes research and development, production, marketing and our own laboratory which was one of the first to be accredited in Norway as early as 1994\*.

Our products hold a leading position in our Scandinavian home market and we also export to more than 40 countries worldwide.

\* For details regarding accredited methods, see our website [www.sero.no](http://www.sero.no).



Seronorm™  
Immunoassay  
Liq  
3 mL

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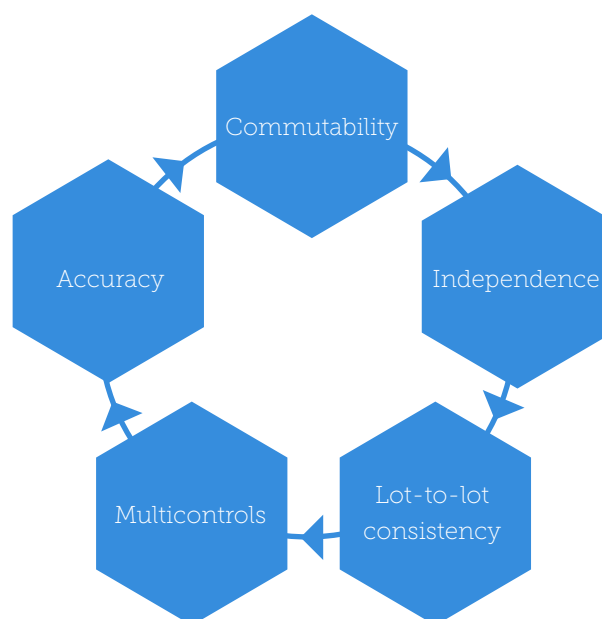


## SERO's product philosophy

The purpose of quality control materials in the clinical laboratory is to help monitor the analytical process in order to detect, reduce and correct any deficiencies that could lead to wrong clinical decisions being made.

SERO's product philosophy – in line with our corporate mission – has always been to provide laboratories with high-quality control materials that ensure reliable results.

That is why SERO puts quality first in each step of the production process – from the selection of raw materials for production processes to data collection for product documentation. As an integral part of our product philosophy, SERO focuses on the following properties:



### Commutability – no reliable analytical result without patient-like QC materials

Standard ISO 15189 for medical laboratories clearly states its requirements for the use of quality control materials: “The laboratory shall use quality control materials that react to the examining system in a manner as close as possible to patient samples”.

Several studies (e.g. Miller et al, 2011, Clinical Chemistry) have shown that many of the QC materials on the market do not fulfill this basic and absolutely necessary function, presumably because the materials are far from being patient-like, i.e. commutable. Offering a control based on a human matrix is not enough to guarantee an acceptable degree of commutability. Heavily-buffered controls and/or controls that include various stabilizers or preservatives are definitely very different from patient samples. As a result, they may fail to react to analysis methods like patient samples would.

To ensure the best commutability, most of SERO's products contain more than 95% genuine human serum, with no stabilizers or preservatives added. The whole production process is designed to protect the properties of the matrix and thereby enable the final product to behave in a manner similar to patient samples. The result for laboratories? One of the most commutable and trustworthy control materials on the market!

## True independent QC materials

SERO's branded products are true independent controls. Production is not optimized for any specific instrument or reagent kit, and the accuracy and precision data in the package inserts come from independent, trustworthy laboratories using the SERO's value assignment protocol.

With modern analytical instruments being more and more of a "black box system", the best way for medical laboratories to control their laboratory system is through the use of third-party quality controls. ISO 15189 "Medical laboratories – Requirements for quality and competence" clearly states its recommendations with regard to the selection of QC materials: "Use of independent third-party control materials should be considered, either instead of, or in addition to, any control materials supplied by the reagent or instrument manufacturer".

## High lot-to-lot consistency

SERO's controls exhibit minimal variation from lot to lot. At SERO, we are fully aware that laboratories prefer minimal lot-to-lot variation due to the challenging and time-consuming task of introducing a new lot.

Our fully integrated production facility which ensures control of each step of the production process coupled with strict selection of the raw materials used in the production enable us to document an extremely high lot-to-lot consistency. This has been a key reason why many modern laboratories choose and keep SERO as their long-term control sera partner.

## Multicontrols – allow huge savings

The SERO multi-parameter controls allow for huge savings. With the launch of Seronorm™ Immunoassay in 2003, SERO was the first QC manufacturer in the world to offer a highly consolidated immunoassay control that contains about 50 analytes, including most hormones, tumour markers and cardiac markers. By reducing the number of immunoassay controls used to cover the test menu in the laboratory, Seronorm™ Immunoassay has made it possible to significantly reduce waste related to dead volume in the instrument and enabled laboratories to achieve huge savings.

Our aim is to simplify our customers' daily laboratory routines and reduce the time and money spent on running QC materials. SERO's product range includes several multi-parameter control materials, however we are well aware that this consolidation must not compromise commutability, the most important property of any control material.

## Accuracy – trustworthy laboratory results through traceable analytical data

SERO's accuracy controls can be used both for the verification of calibrators and for the monitoring of day to day precision. In addition, the information supplied with certain controls can be used to compare the trueness of your analytical results with other instruments and reference methods. The SERO lot-specific product documentation provides specific information on analytical results, methods, an uncertainty budget and traceability in accordance with ISO 17511 and ISO 18153\*.



\* For detailed information concerning which control materials that can be used to monitor trueness and/or precision, please refer to the Instructions for Use available at our website [www.sero.no](http://www.sero.no) or upon request.



# SERO's Branded Control Sera

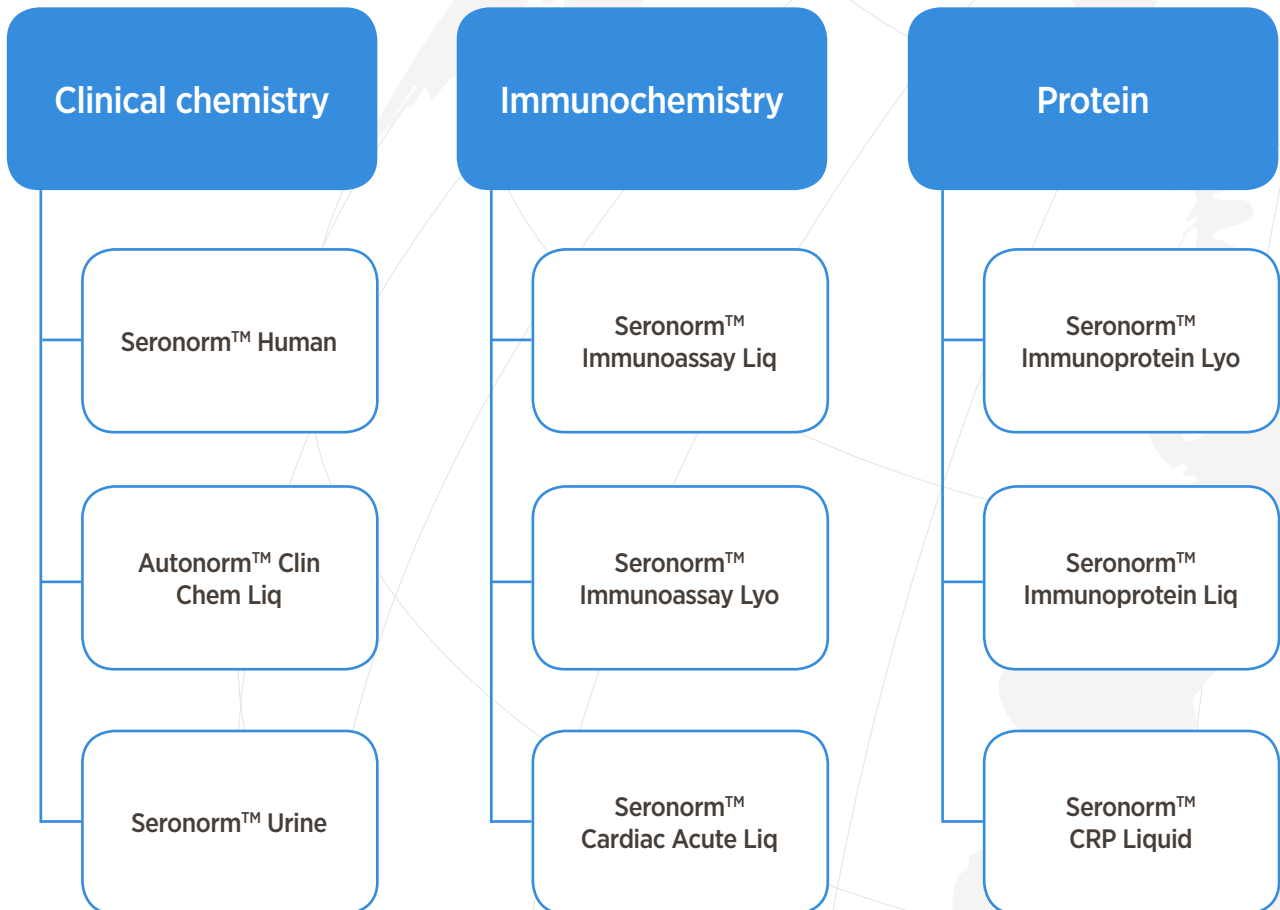
|                                      | Clin. Chemistry | Lipids | Enzymes | Proteins | Hormones | Cardiac Markers | Acute Markers | Tumour Markers | Therapeutic Drugs | Trace Elements | Diabetes | Lyophilized Liquid | Animal Matrix | Human Matrix | Levels |
|--------------------------------------|-----------------|--------|---------|----------|----------|-----------------|---------------|----------------|-------------------|----------------|----------|--------------------|---------------|--------------|--------|
| Seronorm™ Immunoassay Lyo            |                 |        |         |          |          |                 | ■             | ■              |                   | ■              | ■        |                    |               | ■            | 3      |
| Seronorm™ Immunoassay Liq            |                 |        |         |          |          |                 | ■             | ■              |                   | ■              | ■        |                    | ■             |              | 4      |
| Seronorm™ Cardiac Acute Liq          |                 |        |         |          |          |                 |               | ■              | ■                 |                |          |                    | ■             |              | 4      |
| Seronorm™ Immunoprotein Lyo          |                 |        |         |          | ■        |                 |               |                |                   |                |          |                    |               | ■            | 2      |
| Seronorm™ Immunoprotein Liq          |                 |        |         |          | ■        |                 |               |                |                   |                |          |                    | ■             |              | 2      |
| Seronorm™ CRP Liquid                 |                 |        |         |          | ■        |                 |               |                |                   |                |          |                    | ■             |              | 3      |
| Seronorm™ Human                      | ■               | ■      | ■       | ■        |          |                 |               | ■              |                   |                | ■        |                    |               | ■            | 2      |
| Autonorm™ Clin Chem Liq              | ■               | ■      | ■       | ■        |          |                 |               | ■              |                   |                | ■        |                    | ■             |              | 3      |
| Seronorm™ Paediatric                 | ■               |        |         | ■        |          |                 |               |                |                   |                |          |                    |               | ■            | 1      |
| Seronorm™ Urine                      | ■               |        |         | ■        |          |                 | ■             |                |                   |                |          |                    | ■             |              | 2      |
| Seronorm™ HbA1c Liquid               |                 |        |         |          |          |                 |               |                |                   |                |          | ■                  | ■             |              | 2      |
| Seronorm™ Hb/Glucose                 |                 |        |         |          |          |                 |               |                |                   |                |          | ■                  | ■             | ■            | 2      |
| Seronorm™ Trace Elements Serum       |                 |        |         |          |          |                 |               |                |                   |                | ■        |                    |               | ■            | 2      |
| Seronorm™ Trace Elements Whole Blood |                 |        |         |          |          |                 |               |                |                   |                | ■        |                    |               | ■            | 3      |
| Seronorm™ Trace Elements Urine       |                 |        |         |          |          |                 |               |                |                   |                | ■        |                    |               | ■            | 2      |
| Autonorm™ Pharmaca Liq               |                 |        |         |          |          |                 |               |                |                   | ■              |          |                    | ■             |              | 2      |

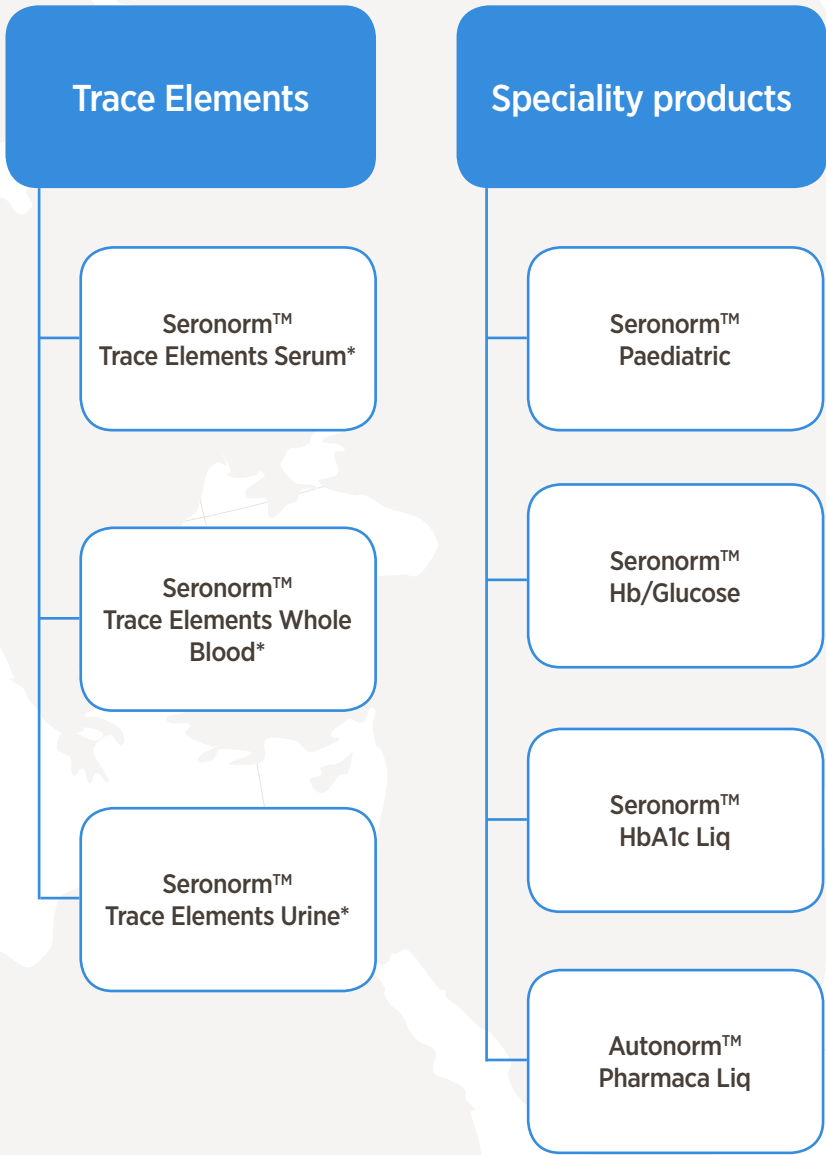
## Customized quality control materials

In addition to branded products SERO has several decades of experience in customization of control materials for IVD companies, EQA organizations as well as group of laboratories or laboratory chains. Should you have any needs not covered

by our current range, feel free to contact us, we might have the possibility to tailor-make a specific material, for example in the clinical chemistry or immunoassay field.

# The SERO product range





*\* Also available as research use only (RUO)*

# Seronorm™ Immunoassay

Your complete immunoassay control

≥ 95%  
human  
serum



## Main features

The “all-in-one” immunoassay control

Contains more than 95% human serum;  
no preservatives or stabilizers added

Comprehensive product documentation  
for three different levels

Available in a liquid version

Available in a lyophilized version with a  
shelf life of 4 years

Independent QC material

## Benefits

*Limits the number of different controls needed in your lab,  
reduces cost, saves time and space.*

*Behaves similar to a patient sample (high commutability),  
allowing highly trustworthy results, especially during reagent lot  
changes.*

*Provides analytical data for more than 50 analytes for the most  
frequently used instruments on the market for clinically relevant  
concentrations.*

*No need for reconstitution. Eliminates potential handling errors.  
Ready to use right after thawing.*

*Longer shelf life that makes it possible to reduce the frequency of  
lot change: resource and time-related consequences.*

*Provides an objective assessment of the entire analytical system.*

**Analytes:**

|                               |              |                             |               |
|-------------------------------|--------------|-----------------------------|---------------|
| 17- $\alpha$ -OH-Progesterone | CK-MB        | IGF-1                       | SHBG          |
| 25(OH) Vitamin D              | Cortisol     | Insulin                     | T3, free      |
| 25(OH) Vitamin D3             | C-peptide    | LH                          | T3, total     |
| AFP                           | DHEA-Sulfate | Methylmalonic acid          | T4, free      |
| Aldosterone                   | Digoxin      | Myoglobin                   | T4, total     |
| AMH*                          | EPO          | NT-proBNP                   | TBG           |
| Androstenedione               | Estradiol    | Ostase                      | Testosterone  |
| Anti-Tg*                      | Ferritin     | Pro-BNP                     | Theophylline  |
| Anti-TPO*                     | Folate       | Progesterone                | Thyroglobulin |
| $\beta$ 2-microglobulin       | FSH          | Prolactin                   | Troponin I    |
| $\beta$ -hCG, total           | hCG, total   | Prostatic acid phosphatase* | Troponin T    |
| CA 125                        | HE4*         | PSA, complexed              | TSH           |
| CA 15-3                       | hGH          | PSA, free                   | Vitamin B12   |
| CA 19-9                       | Homocysteine | PSA, total                  |               |
| CEA                           | IgE          | PTH, intact                 |               |

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

\* Lot to lot variation may occur

**Stability**

| <i>Liquid</i> | Shelf life   | Open vial stability                             |   | <i>Lyophilized</i> | Shelf life | Open vial stability                               |  |
|---------------|--|---|---|--------------------|------------|---|--|
|               | $\leq -20\text{ }^{\circ}\text{C}$<br>3 years $\Delta$ | $\leq -20\text{ }^{\circ}\text{C}$<br>1 month * | $2-8\text{ }^{\circ}\text{C}$<br>10 days $\Delta$ |                    |            | $2-8\text{ }^{\circ}\text{C}$<br>4 years $\Delta$ | $\leq -20\text{ }^{\circ}\text{C}$<br>1 month ** |

$\Delta$  With a few exceptions

\* When refrozen within 30 minutes

\*\* When reconstituted and frozen within 30 minutes

**Order Information:**

| Art. no | Product                       | Size      |
|---------|-------------------------------|-----------|
| 207005  | Seronorm™ Immunoassay Liq L-1 | 12 x 3 mL |
| 207105  | Seronorm™ Immunoassay Liq L-2 | 12 x 3 mL |
| 207205  | Seronorm™ Immunoassay Liq L-3 | 12 x 3 mL |
| 206005  | Seronorm™ Immunoassay Lyo L-1 | 12 x 3 mL |
| 206105  | Seronorm™ Immunoassay Lyo L-2 | 12 x 3 mL |
| 206205  | Seronorm™ Immunoassay Lyo L-3 | 12 x 3 mL |

# Seronorm™ Immunoassay Liq Low

≥ 95%  
human  
serum

## Analytes:

|                          |                      |                     |
|--------------------------|----------------------|---------------------|
| 17-α-OH-<br>Progesterone | Cortisol<br>Ferritin | Testosterone<br>TSH |
| 25(OH) Vitamin D         | IgE                  | Vitamin B12         |
| 25 (OH) Vitamin D3       | PSA, total           |                     |
| Aldosterone              | T4, free             |                     |
| Androstenedione          | TBG                  |                     |



Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

## Main features

Clinically low levels of relevant analytes for control of e.g. anaemia

Contains more than 95% human serum; no preservatives or stabilizers added

Comprehensive product documentation from independent laboratories

Liquid control material

Independent QC material

## Benefits

Ensures control of relevant low concentrations of cortisol, ferritin, TSH and a few other analytes.

Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.

Provides analytical data for the most frequently used instruments on the market.

No need for reconstitution. Eliminates potential handling errors. Ready to use right after thawing.

Provides an objective assessment of the entire analytical system.

## Stability

| Shelf life | Open vial stability |         |
|------------|---------------------|---------|
| ≤ -20 °C   | ≤ -20 °C            | 2-8 °C  |
| 3 years Δ  | 1 month *           | 10 days |

Δ With a few exceptions

\* When refrozen within 30 minutes

## Order Information:

| Art. no | Product                       | Size      |
|---------|-------------------------------|-----------|
| 207305  | Seronorm™ Immunoassay Liq Low | 12 x 3 mL |

# Seronorm™ Cardiac Acute Liq

The most complete acute control on the market

≥ 95%  
human  
serum

## Analytes:

|              |              |               |
|--------------|--------------|---------------|
| BNP          | Digoxin      | Pro-BNP       |
| β-hCG, total | hCG, total   | Procalcitonin |
| CK, total    | Homocysteine | ST00β         |
| CK-MB        | IL-6         | Troponin I    |
| CRP          | Myoglobin    | Troponin T    |
| D-dimer      | NT-proBNP    |               |



Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

## Main features

**Consolidated acute control that includes 17 different analytes**

**4 different levels, with the low level available in two variants (L-1A and L-1B)**

**Liquid control material**

**Comprehensive product documentation from independent laboratories**

**Independent QC material**

## Benefits

*Provides a large panel of cardiac and acute markers to rule out life-threatening conditions and helps to limit the number of controls in your lab, reduces cost, saves time and space.*

*Ensures control of relevant low concentrations for specific analytes like troponin on different instruments.*

*No need for reconstitution. Eliminates potential handling errors. Ready to use right after thawing.*

*Provides analytical data for the most frequently used instruments on the market.*

*Provides an objective assessment of the entire analytical system.*

## Stability

| Shelf life | Open vial stability |           |
|------------|---------------------|-----------|
| ≤ -20 °C   | ≤ -20 °C            | 2-8 °C    |
| 2 years Δ  | 1 month *           | 14 days Δ |

Δ With a few exceptions

\* When refrozen within 30 minutes

## Order Information:

| Art. no | Product                          | Size     |
|---------|----------------------------------|----------|
| 211005  | Seronorm™ Cardiac Acute Liq L-1A | 6 x 2 mL |
| 211105  | Seronorm™ Cardiac Acute Liq L-1B | 6 x 2 mL |
| 211205  | Seronorm™ Cardiac Acute Liq L-2  | 6 x 2 mL |
| 211305  | Seronorm™ Cardiac Acute Liq L-3  | 6 x 2 mL |

# Seronorm™ Immunoprotein

≥ 95%  
human  
serum

## Analytes:

|                      |               |                  |
|----------------------|---------------|------------------|
| α1-acid-glycoprotein | C4            | IgG              |
| α1-antitrypsin       | Ceruloplasmin | IgM              |
| α2-macroglobulin     | CRP           | Myoglobin        |
| Albumin              | Cystatin C    | Prealbumin       |
| Anti-CCP             | Digitoxin     | Protein, total   |
| Apolipoprotein A1    | Ferritin      | RF               |
| ASL                  | Haptoglobin   | Transferrin      |
| β2-microglobulin     | IgA           | Electrophoresis* |
| C3c                  | IgE           |                  |



Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

\* Present in Seronorm Immunoprotein Liq L-1

## Main features

**Consolidated protein control**

**Contains more than 95% human serum; no preservatives or stabilizers added**

**Available in a liquid version**

**Available in a lyophilized version with a shelf life of 3 years**

**Comprehensive product documentation from independent laboratories**

**Independent QC material**

## Benefits

*Limits the number of different controls needed in your lab, reduces cost, saves time and space.*

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*No need for reconstitution. Eliminates potential handling errors. Ready to use right after thawing.*

*Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.*

*Provides analytical data on both nephelometric and turbidimetric methods.*

*Provides an objective assessment of the entire analytical system.*

## Stability

|                    | Shelf life | Open vial stability |           |
|--------------------|------------|---------------------|-----------|
| <b>Liquid</b>      | ≤ -20 °C   | ≤ -20 °C            | 2-8 °C    |
|                    | 3 years Δ  | 1 month *           | 14 days Δ |
| <b>Lyophilized</b> | 2-8 °C     | ≤ -20 °C            | 2-8 °C    |
|                    | 3 years Δ  | 1 month **          | 14 days   |

Δ With a few exceptions

\* When refrozen within 30 minutes

\*\* When reconstituted and frozen within 30 minutes

## Order Information:

| Art. no | Product                         | Size     |
|---------|---------------------------------|----------|
| 210405  | Seronorm™ Immunoprotein Liq L-1 | 6 x 1 mL |
| 210505  | Seronorm™ Immunoprotein Liq L-2 | 6 x 1 mL |
| 202805  | Seronorm™ Immunoprotein Lyo L-1 | 6 x 1 mL |
| 202905  | Seronorm™ Immunoprotein Lyo L-2 | 6 x 1 mL |



# Seronorm™ CRP Liquid

Straight from the fridge into the instrument

≥ 95%  
human  
serum

## Analytes:

CRP

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



### Main features

Contains more than 95% human serum

Liquid material stable at 2–8°C

Three clinically relevant levels

1-month stability in opened vials (2–8°C)

Shelf life of 3 years

Independent QC material

### Benefits

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*Straight from the fridge to the instrument. Ready to use; no thawing or reconstitution needed. Eliminates potential handling errors.*

*Ensures patient safety with a broader quality control range.*

*Reduces unnecessary waste for small-volume users.*

*Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.*

*Provides an objective assessment of the entire analytical system.*

## Stability

| Shelf life | Open vial stability |          |
|------------|---------------------|----------|
|            | 2-8 °C              | 15-25 °C |
| 2-8 °C     | 2-8 °C              | 15-25 °C |
| 3 years    | 31 days             | 7 days   |

## Order Information:

| Art. no | Product                  | Size      |
|---------|--------------------------|-----------|
| 213005  | Seronorm™ CRP Liquid L-1 | 12 x 1 mL |
| 213105  | Seronorm™ CRP Liquid L-2 | 12 x 1 mL |
| 213205  | Seronorm™ CRP Liquid L-3 | 12 x 1 mL |

# Seronorm™ Human

Multi-component control with long shelf life

≥ 95%  
human  
serum

## Analytes:

|                   |                    |            |                |
|-------------------|--------------------|------------|----------------|
| ALAT              | Cholesterol, HDL   | HBDH       | Potassium      |
| Albumin           | Cholesterol, LDL   | IgA        | Protein, total |
| ALP               | Cholesterol, total | IgG        | Sodium         |
| Amylase, pancreas | Cholinesterase     | IgM        | Theophylline   |
| Amylase, total    | CK                 | Iron       | Transferrin    |
| Apolipoprotein A1 | CK-MB              | Lactate    | Triglycerides  |
| Apolipoprotein B  | Copper             | LDH        | UIBC           |
| ASAT              | Creatinine         | Lipase     | Urea           |
| Bile Acid         | CRP                | Lithium    | Uric Acid      |
| Bilirubin, direct | Digoxin            | Magnesium  | Zinc           |
| Bilirubin, total  | GGT                | NEFA       |                |
| Calcium           | GLDH               | Osmolality |                |
| Chloride          | Glucose            | Phosphorus |                |



Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

## Main features

**Multi-component clinical chemistry control**

**Lyophilized material with a shelf life of 4 years**

**Two clinically relevant levels**

**Contains more than 95% human serum; no preservatives or stabilizers added**

**Independent QC material**

## Benefits

*Limits the number of different controls needed in your lab, reduces cost, saves time and space.*

*Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.*

*Ensures patient safety with a broader quality control range.*

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*Provides an objective assessment of the entire analytical system.*

## Stability

Lyophilized

| Shelf life | Open vial stability |          |
|------------|---------------------|----------|
| 2-8 °C     | ≤ -20 °C            | 2-8 °C   |
| 4 years    | 1 month *           | 7 days Δ |

\* When reconstituted and frozen within 30 minutes

## Order Information:

| Art. no | Product              | Size      |
|---------|----------------------|-----------|
| 200805  | Seronorm™ Human      | 10 x 5 mL |
| 203005  | Seronorm™ Human High | 10 x 5 mL |

# Autonorm™ Clin Chem Liq

A complete chemistry control ready to use

≥ 95%  
human  
serum

## Analytes:

|                      |                    |             |                |               |
|----------------------|--------------------|-------------|----------------|---------------|
| α1-acid-glycoprotein | Bicarbonate        | CK-MB       | Lactate        | Salicylate    |
| α1-antitrypsin       | Bile Acid          | Copper      | LDH            | Sodium        |
| α2-macroglobulin     | Bilirubin, direct  | Creatinine  | Lipase         | Theophylline  |
| ALAT                 | Bilirubin, total   | CRP         | Lithium        | TIBC          |
| Albumin              | C3c                | Digoxin     | Magnesium      | Tobramycin    |
| ALP                  | C4                 | Ethanol     | Methotrexate   | Transferrin   |
| Amikacin             | Calcium            | Ferritin    | Osmolality     | Triglycerides |
| Amylase, pancreas    | Carbamazepine      | Gentamycin  | Paracetamol    | UIBC          |
| Amylase, total       | Ceruloplasmin      | GGT         | Phenobarbitone | Urea          |
| Apolipoprotein A1    | Chloride           | Glucose     | Phenytoin      | Uric Acid     |
| Apolipoprotein B     | Cholesterol, HDL   | Haptoglobin | Phosphorus     | Valproic Acid |
| ASAT                 | Cholesterol, LDL   | IgA         | Potassium      | Vancomycin    |
| ASL/ASO              | Cholesterol, total | IgG         | Prealbumin     | Zinc          |
|                      | Cholinesterase     | IgM         | Protein, total |               |
|                      | CK                 | Iron        | Quinidine      |               |



Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

## Main features

The “all-in-one” clinical chemistry control

Shelf life of 2,5 years

Contains more than 95% human serum; no preservatives or stabilizers added

Liquid control material

Available in three clinically relevant levels

Comprehensive product documentation from independent laboratories

Independent QC material

## Benefits

Limits the number of different controls needed in your lab, reduces cost, saves time and space.

Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.

Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.

No need for reconstitution. Eliminates potential handling errors. Ready-to-use right after thawing.

Ensures patient safety with a broader quality control range.

Provides analytical data for more than 60 analytes

Provides an objective assessment of the entire analytical system.

## Stability

| Shelf life  | Open vial stability |           |
|-------------|---------------------|-----------|
| ≤ -20 °C    | ≤ -20 °C            | 2-8 °C    |
| 2,5 years Δ | 1 month Δ*          | 14 days Δ |

Δ With a few exceptions

\* When refrozen within 30 minutes

## Order Information:

| Art. no | Product                     | Size      |
|---------|-----------------------------|-----------|
| 201915  | Autonorm™ Clin Chem Liq L-1 | 6 x 5 mL  |
| 202115  | Autonorm™ Clin Chem Liq L-2 | 12 x 5 mL |
| 202215  | Autonorm™ Clin Chem Liq L-3 | 12 x 5 mL |

# Seronorm™ Paediatric

Specially made for the newborn

≥ 95%  
human  
serum

## Analytes:

|                     |            |
|---------------------|------------|
| ALP                 | Glucose    |
| Bilirubin, direct   | Magnesium  |
| Bilirubin, indirect | Phosphorus |
| Bilirubin, total    | Potassium  |
| Calcium             | Sodium     |
| Chloride            |            |

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



## Main features

Quality control specially made for newborns

Contains more than 95% human serum; no preservatives or stabilizers added

Lyophilized material with a shelf life of 4 years

Comprehensive product documentation from independent laboratories

Independent QC material

## Benefits

*Makes it possible to control analytes at clinically relevant levels for paediatric samples.*

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.*

*Provides analytical data for 11 analytes.*

*Provides an objective assessment of the entire analytical system.*

## Stability

Lyophilized

| Shelf life | Open vial stability |        |
|------------|---------------------|--------|
| 2-8 °C     | ≤ -20 °C            | 2-8 °C |
| 4 years    | 1 month *           | 7 days |

\* When reconstituted and frozen within 30 minutes

## Order Information:

| Art. no | Product              | Size     |
|---------|----------------------|----------|
| 208005  | Seronorm™ Paediatric | 6 x 3 mL |

# Seronorm™ Urine

≥ 95%  
human  
urine

## Analytes:

|                             |              |                  |
|-----------------------------|--------------|------------------|
| Albumin/Creatinine<br>quota | Glucose      | Pregnancy        |
| Amylase                     | Magnesium    | Protein, total   |
| Calcium                     | Microalbumin | Sodium           |
| Chloride                    | Osmolality   | Specific gravity |
| Cortisol, free              | pH           | Urea             |
| Creatinine                  | Phosphorus   | Uric Acid        |
|                             | Potassium    |                  |

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



## Main features

Contains more than 95% human urine

Liquid material stable at 2–8°C

Long stability in opened vials: 28 days at 2–8°C

Independent QC material

## Benefits

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results including stable creatinine, especially during reagent lot changes.*

*Straight from the fridge to the instrument. Ready to use; no thawing or reconstitution needed. Eliminates potential handling errors.*

*Reduces unnecessary waste for small-volume users.*

*Provides an objective assessment of the entire analytical system.*

## Stability

|        | Shelf life | Open vial stability |
|--------|------------|---------------------|
| Liquid | 2–8 °C     | 2–8 °C              |
|        | 2 years    | 28 days             |

## Order Information:

| Art. no | Product             | Size      |
|---------|---------------------|-----------|
| 208505  | Seronorm™ Urine L-1 | 10 x 8 mL |
| 208605  | Seronorm™ Urine L-2 | 10 x 8 mL |

# Seronorm™ HbA1c Liquid

≥ 95%  
human  
whole blood

## Analytes:

HbA1c

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



## Main features

Product documentation from independent laboratories

Contains more than 95% human whole blood; no preservatives or stabilizers added

Liquid material with a shelf life of 3 years.

Produced through in vitro glycation of human blood

Independent QC material

## Benefits

*Provides analytical data for both immunological and point-of-care methods.*

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*No need for reconstitution. Eliminates potential handling errors. Ready to use right after thawing.*

*Highly ethical product without any use of blood from diabetic patients.*

*Provides an objective assessment of the entire analytical system.*

## Stability

| Shelf life | Open vial stability |
|------------|---------------------|
| ≤ -20 °C   | 2-8 °C              |
| 3 years    | 28 days             |

## Order Information:

| Art. no | Product                    | Size     |
|---------|----------------------------|----------|
| 209005  | Seronorm™ HbA1c Liquid L-1 | 3 x 1 mL |
| 209105  | Seronorm™ HbA1c Liquid L-2 | 3 x 1 mL |

# Seronorm™ Hb/Glucose

Quality control for point of care, straight from the fridge

## Analytes:

Glucose  
Hemoglobin

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



## Main features

Quality control for Point of Care

Available in two clinically relevant levels

Liquid material with a shelf life of 3 years

Long stability in opened vials: 28 days at 2-8 °C

Independent QC material

## Benefits

*Combines hemoglobin and glucose in a single control.*

*Ensures patient safety with a broader quality control range.*

*No need for reconstitution. Eliminates potential handling errors. Ready to use right after thawing.*

*Reduces unnecessary waste for small-volume users.*

*Provides an objective assessment of the entire analytical system.*

## Stability

|        | Shelf life | Open vial stability |
|--------|------------|---------------------|
| Liquid | 2-8 °C     | 2-8 °C              |
|        | 3 years    | 28 days             |

## Order Information:

| Art. no | Product                  | Size     |
|---------|--------------------------|----------|
| 103005  | Seronorm™ Hb/Glucose L-1 | 6 x 1 mL |
| 103105  | Seronorm™ Hb/Glucose L-2 | 6 x 1 mL |

# Seronorm™ Trace Elements Serum

≥ 95%  
human  
serum

## The clinically most relevant elements:

|           |           |            |        |
|-----------|-----------|------------|--------|
| Aluminium | Fluoride  | Mercury    | Sodium |
| Calcium   | Iron      | Nickel     | Zinc   |
| Chromium  | Lithium   | Phosphorus |        |
| Cobalt    | Magnesium | Potassium  |        |
| Copper    | Manganese | Selenium   |        |

Refer to analyte index (page 30) for a total of more than 60 elements.

Refer to the lot specific product documentation of currently available lots for specific elements and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



## Main features

**Multicomponent including more than 60 elements**

**Contains more than 95% human serum; no preservatives or stabilizers added**

**Available in two clinically relevant levels**

**Lyophilized material with a shelf life of 7 years**

**Comprehensive product documentation from independent laboratories with analytical values traceable to international reference materials**

**Independent QC material**

## Benefits

*Could be used in a wide variety of applications such as nutrition, occupational health, environmental health, toxicology, food safety, veterinary and biological studies.*

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*Ensures patient safety with a broader quality control range.*

*Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.*

*Provides analytical data for more than 60 elements.*

*Provides an objective assessment of the entire analytical system.*

## Stability

Lyophilized

| Shelf life | Open vial stability |        |
|------------|---------------------|--------|
| 2-8 °C     | ≤ -20 °C            | 2-8 °C |
| 7 years    | 1 month *           | 7 days |

\* When reconstituted and frozen within 30 minutes

## Order Information:

| Art. no | Product                                 | Size     |
|---------|---|----------|
| 201405  | Seronorm™ Trace Elements Serum L-1      | 6 x 3 mL |
| 203105  | Seronorm™ Trace Elements Serum L-2      | 6 x 3 mL |
| 201413  | Seronorm™ Trace Elements Serum L-1 RUO* | 6 x 3 mL |
| 203113  | Seronorm™ Trace Elements Serum L-2 RUO* | 6 x 3 mL |

\* The Trace Elements RUO products (Research Use Only) are not intended for use for medical in vitro diagnostic purposes. For questions related to this, please contact your distributor or SERO.



# Seronorm™ Trace Elements Whole Blood

≥ 95%  
human  
whole blood

## The clinically most relevant elements:

|           |           |               |            |          |
|-----------|-----------|---------------|------------|----------|
| Aluminium | Calcium   | Lead          | Molybdenum | Tin      |
| Antimony  | Chromium  | Lithium       | Nickel     | Vanadium |
| Arsenic   | Cobalt    | Magnesium     | Selenium   | Zinc     |
| Beryllium | Copper    | Manganese     | Silver     |          |
| Bismuth   | Fluoride* | Mercury       | Strontium  |          |
| Cadmium   | Iodine    | Methylmercury | Thallium   |          |



Refer to analyte index (page 30) for a total of more than 60 elements.

Refer to the lot specific product documentation of currently available lots for specific elements and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

\* Only present in L-2 and L-3

## Main features

Multicomponent including more than 60 elements

Contains more than 95% human blood; no preservatives or stabilizers added

Available in three clinically relevant levels

Lyophilized material with a shelf life of 5 years

Comprehensive product documentation from independent laboratories with analytical values traceable to international reference materials

Independent QC material

## Stability

Lyophilized

| Shelf life | Open vial stability |        |
|------------|---------------------|--------|
| 2-8 °C     | ≤ -20 °C            | 2-8 °C |
| 5 years    | 1 month *           | 7 days |

\* When reconstituted and frozen within 30 minutes

## Benefits

Could be used in a wide variety of applications such as nutrition, occupational health, environmental health, toxicology, food safety, veterinary and biological studies.

Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.

Ensures patient safety with a broader quality control range.

Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.

Provides analytical data for more than 60 elements.

Provides an objective assessment of the entire analytical system.

## Order Information:

| Art. no | Product                                       | Size      |
|---------|---|-----------|
| 210105  | Seronorm™ Trace Elements Whole Blood L-1      | 10 x 3 mL |
| 210205  | Seronorm™ Trace Elements Whole Blood L-2      | 10 x 3 mL |
| 210305  | Seronorm™ Trace Elements Whole Blood L-3      | 10 x 3 mL |
| 210113  | Seronorm™ Trace Elements Whole Blood L-1 RUO* | 10 x 3 mL |
| 210213  | Seronorm™ Trace Elements Whole Blood L-2 RUO* | 10 x 3 mL |
| 210313  | Seronorm™ Trace Elements Whole Blood L-3 RUO* | 10 x 3 mL |

\* The Trace Elements RUO products (Research Use Only) are not intended for use for medical in vitro diagnostic purposes. For questions related to this, please contact your distributor or SERO.

# Seronorm™ Trace Elements Urine

≥ 95%  
human  
urine

## The clinically most relevant elements:

|           |           |            |           |
|-----------|-----------|------------|-----------|
| Aluminium | Chromium  | Lead       | Selenium  |
| Antimony  | Cobalt    | Magnesium  | Tellurium |
| Arsenic   | Copper    | Manganese  | Thallium  |
| Beryllium | Fluoride* | Mercury    | Tin       |
| Bismuth   | Iodine    | Molybdenum | Vanadium  |
| Cadmium   | Iron      | Nickel     | Zinc      |

Refer to analyte index (page 30) for a total of more than 60 elements.

Refer to the lot specific product documentation of currently available lots for specific elements and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.

\*Only in L-2



## Main features

Multicomponent including more than 60 elements

Contains more than 95 % human urine; no preservatives or stabilizers added

Available in two clinically relevant levels

Lyophilized material with a shelf life of 7 years

Comprehensive product documentation from independent laboratories with analytical values traceable to international reference materials

Independent QC material

## Benefits

Could be used in a wide variety of applications such as nutrition, occupational health, environmental health, toxicology, food safety, veterinary and biological studies.

Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.

Ensures patient safety with a broader quality control range.

Longer shelf life that makes it possible to reduce the frequency of lot change: resource and time-related consequences.

Provides analytical data for more than 60 elements.

Provides an objective assessment of the entire analytical system.

## Stability

Lyophilized

| Shelf life | Open vial stability |        |
|------------|---------------------|--------|
| 2-8 °C     | ≤ -20 °C            | 2-8 °C |
| 7 years    | 1 month *           | 7 days |

\* When reconstituted and frozen within 30 minutes

## Order Information:

| Art. no | Product                                 | Size      |
|---------|---|-----------|
| 210605  | Seronorm™ Trace Elements Urine L-1      | 10 x 5 mL |
| 210705  | Seronorm™ Trace Elements Urine L-2      | 10 x 5 mL |
| 210613  | Seronorm™ Trace Elements Urine L-1 RUO* | 10 x 5 mL |
| 210713  | Seronorm™ Trace Elements Urine L-2 RUO* | 10 x 5 mL |

\* The Trace Elements RUO products (Research Use Only) are not intended for use for medical in vitro diagnostic purposes. For questions related to this, please contact your distributor or SERO.

# Autonorm™ Pharmaca Liq

“A pharmacy in a bottle...”

≥ 95%  
human  
serum

## Pharmaceuticals:

|               |               |                |               |
|---------------|---------------|----------------|---------------|
| Amikacin      | Gentamycine   | Paracetamol    | Topiramate    |
| Carbamazepine | Haloperidol   | Phenobarbitone | Valproic acid |
| Clonazepam    | Lamotrigine   | Phenytoin      | Vancomycin    |
| Cyclosporine  | Levetiracetam | Teicoplanin    | Zonisamide    |
| Diazepam      | Lithium       | Theophylline   |               |
| Digoxin       | Methotrexate  | Tobramycin     |               |

Refer to the lot specific product documentation of currently available lots for specific analyte and stability claims. For details concerning intended use, please refer to the Instructions for Use (IFU). The documents are available on our website [www.sero.no](http://www.sero.no) or upon request.



## Main features

Contains more than 95% human serum; no preservatives or stabilizers added

Two clinically relevant levels. Contains more than 20 therapeutic drugs

Liquid control material

Independent QC material

## Benefits

*Behaves similar to a patient sample (high commutability), allowing highly trustworthy results, especially during reagent lot changes.*

*Ensures patient safety with a broader quality control range.*

*No need for reconstitution. Eliminates potential handling errors. Ready to use right after thawing.*

*Provides an objective assessment of the entire analytical system.*

## Stability

| Shelf life | Open vial stability |        |
|------------|---------------------|--------|
| ≤ -20 °C   | ≤ -20 °C            | 2-8 °C |
| 2 years Δ  | 1 month *           | 7 days |

Δ With a few exceptions

\* When refrozen within 30 minutes

## Order Information:

| Art. no | Product                    | Size      |
|---------|----------------------------|-----------|
| 211705  | Autonorm™ Pharmaca Liq L-1 | 12 x 3 mL |
| 211805  | Autonorm™ Pharmaca Liq L-2 | 12 x 3 mL |

## Our mission

SERO's mission is to improve patient care by contributing to analyses that produce reliable and comparable results from one day to another and between laboratories.





Analyte index  
A - B

|                               | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Cardiac Acute Liq | Seronorm™ Immunoprotein | Seronorm™ CRP Liquid | Seronorm™ Human | Autonorm™ Clin Chem Liq | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Autonorm™ Pharmaca Liq |
|-------------------------------|-----------------------|-------------------------------|-----------------------------|-------------------------|----------------------|-----------------|-------------------------|----------------------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|------------------------|
| See page number               | 12                    | 14                            | 15                          | 16                      | 17                   | 18              | 19                      | 20                   | 21              | 22                     | 23                   | 24                             | 25                                   | 26                             | 27                     |
| 17- $\alpha$ -OH-Progesterone | ○                     | ○                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| 25(OH) Vitamin D              | ○                     | ○                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| $\alpha$ 1-acid-glycoprotein  |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| $\alpha$ 1-antitrypsin        |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| $\alpha$ 2-macroglobulin      |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| AFP                           | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| ALAT                          |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Albumin                       |                       |                               |                             | ○                       |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Albumin/Creatinine quota      |                       |                               |                             |                         |                      |                 |                         |                      | ○               |                        |                      |                                |                                      |                                |                        |
| Aldosterone                   | ○                     | ○                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| ALP                           |                       |                               |                             |                         |                      | ○               | ○                       | ○                    |                 |                        |                      |                                |                                      |                                |                        |
| Aluminium Al                  |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| AMH                           | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Amikacin                      |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Amylase, pancreas             |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Amylase, total                |                       |                               |                             |                         |                      | ○               | ○                       |                      | ○               |                        |                      |                                |                                      |                                |                        |
| Androstenedione               | ○                     | ○                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Anti-CCP                      |                       |                               |                             | ○                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Antimony Sb                   |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Anti-Tg                       | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Anti-TPO                      | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Apolipoprotein A1             |                       |                               |                             | ○                       |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Apolipoprotein B              |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Arsenic As                    |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| ASAT                          |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| ASL/ASO                       |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| $\beta$ 2-microglobulin       | ○                     |                               |                             | ○                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| $\beta$ -hCG, total           | ○                     |                               | ○                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Barium Ba                     |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Beryllium Be                  |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Bicarbonate                   |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Bile Acid                     |                       |                               |                             |                         |                      | ○               |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Bilirubin, direct             |                       |                               |                             |                         |                      | ○               | ○                       | ○                    |                 |                        |                      |                                |                                      |                                |                        |
| Bilirubin, indirect           |                       |                               |                             |                         |                      |                 |                         | ○                    |                 |                        |                      |                                |                                      |                                |                        |
| Bilirubin, total              |                       |                               |                             |                         |                      | ○               | ○                       | ○                    |                 |                        |                      |                                |                                      |                                |                        |
| Bismuth Bi                    |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| BNP                           |                       |                               | ○                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Bromine Br                    |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |

○ Analyte present   ■ Present in L-1   ▲ Present in L-2

The above index is updated as of January 2019.

## Analyte index

### C - D

| See page number    | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Cardiac Acute Liq | Seronorm™ Immunoprotein | Seronorm™ CRP Liquid | Seronorm™ Human | Autonorm™ Clin Chem Liq | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Autonorm™ Pharmaca Liq |
|--------------------|-----------------------|-------------------------------|-----------------------------|-------------------------|----------------------|-----------------|-------------------------|----------------------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|------------------------|
|                    | 12                    | 14                            | 15                          | 16                      | 17                   | 18              | 19                      | 20                   | 21              | 22                     | 23                   | 24                             | 25                                   | 26                             | 27                     |
| C3c                |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| C4                 |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| CA 125             | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| CA 15-3            | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| CA 19-9            | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cadmium Cd         |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Calcium Ca         |                       |                               |                             |                         |                      | ○               | ○                       | ○                    | ○               |                        |                      | ○                              | ○                                    | ○                              |                        |
| Carbamazepine      |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| CEA                | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cerium Ce          |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Ceruloplasmin      |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cesium Cs          |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Chloride           |                       |                               |                             |                         |                      | ○               | ○                       | ○                    | ○               |                        |                      |                                |                                      |                                |                        |
| Cholesterol, HDL   |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cholesterol, LDL   |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cholesterol, total |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cholinesterase     |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Chromium Cr        |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| CK                 |                       |                               | ○                           |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| CK-MB              | ○                     |                               | ○                           |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Clonazepam         |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Cobalt Co          |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Copper Cu          |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Cortisol           | ○                     | ○                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cortisol, free     |                       |                               |                             |                         |                      |                 |                         |                      | ○               |                        |                      |                                |                                      |                                |                        |
| C-peptide          | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Creatinine         |                       |                               |                             |                         |                      | ○               | ○                       |                      | ○               |                        |                      |                                |                                      |                                |                        |
| CRP                |                       |                               | ○                           | ○                       | ○                    | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Cyclosporine       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Cystatin C         |                       |                               |                             | ○                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| DHEA-Sulfate       | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Diazepam           |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| D-dimer            |                       |                               | ○                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Digitoxin          |                       |                               |                             | ○                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Digoxin            | ○                     |                               | ○                           |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Dysprosium Dy      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |

○ Analyte present   ■ Present in L-1   ▲ Present in L-2

The above index is updated as of January 2019.

Analyte index  
E - I

| See page number | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Cardiac Acute Liq | Seronorm™ Immunoprotein | Seronorm™ CRP Liquid | Seronorm™ Human | Autonorm™ Clin Chem Liq | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Autonorm™ Pharmaca Liq |
|-----------------|-----------------------|-------------------------------|-----------------------------|-------------------------|----------------------|-----------------|-------------------------|----------------------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|------------------------|
| Electrophoresis |                       |                               |                             | ■                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| EPO             | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Erbium Er       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Estradiol       | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Ethanol         |                       |                               |                             |                         |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Europium Eu     |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Ferritin        | o                     | o                             |                             | o                       |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Fluoride F      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | ●                                    | ▲                              |                        |
| Folate          | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| FSH             | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Gadolinium Gd   |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ▲                              | o                                    | o                              |                        |
| Gallium Ga      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Gentamycine     |                       |                               |                             |                         |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                | o                      |
| GGT             |                       |                               |                             |                         |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| GLDH            |                       |                               |                             |                         |                      | o               |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Glucose         |                       |                               |                             |                         |                      | o               | o                       | o                    | o               |                        | o                    |                                |                                      |                                |                        |
| Gold Au         |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Hafnium Hf      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Haloperidol     |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | o                      |
| Haptoglobin     |                       |                               |                             | o                       |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| HbA1c           |                       |                               |                             |                         |                      |                 |                         |                      |                 | o                      |                      |                                |                                      |                                |                        |
| HBDH            |                       |                               |                             |                         |                      | o               |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| hCG, total      | o                     |                               | o                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| HE4             | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Hemoglobin      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        | o                    |                                |                                      |                                |                        |
| hGH             | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Holmium Ho      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Homocysteine    | o                     |                               | o                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| IgA             |                       |                               |                             | o                       |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| IgE             | o                     | o                             |                             | o                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| IGF1            | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| IgG             |                       |                               |                             | o                       |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| IgM             |                       |                               |                             | o                       |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Insulin         | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Iodine I        |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Iridium Ir      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Iron Fe         |                       |                               |                             |                         |                      | o               | o                       |                      |                 |                        |                      | o                              | o                                    | o                              |                        |

o Analyte present   ■ Present in L-1   ▲ Present in L-2   ● Present in L-2 and L-3

The above index is updated as of January 2019.



## Analyte index

### L - Prea

|                    | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Cardiac Acute Liq | Seronorm™ Immunoprotein | Seronorm™ CRP Liquid | Seronorm™ Human | Autonorm™ Clin Chem Liq | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Autonorm™ Pharmaca Liq |
|--------------------|-----------------------|-------------------------------|-----------------------------|-------------------------|----------------------|-----------------|-------------------------|----------------------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|------------------------|
| See page number    | 12                    | 14                            | 15                          | 16                      | 17                   | 18              | 19                      | 20                   | 21              | 22                     | 23                   | 24                             | 25                                   | 26                             | 27                     |
| Lactate            |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Lamotrigine        |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Lanthanum La       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| LDH                |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Lead Pb            |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Levetiracetam      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| LH                 | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Lipase             |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Lithium Li         |                       |                               |                             |                         |                      | ○               | ○                       |                      |                 |                        |                      | ○                              | ○                                    | ○                              | ○                      |
| Lutetium Lu        |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Magnesium Mg       |                       |                               |                             |                         |                      | ○               | ○                       | ○                    | ○               |                        |                      | ○                              | ○                                    | ○                              |                        |
| Manganese Mn       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Methylmercury      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                | ○                                    |                                |                        |
| Mercury Hg         |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Methotrexate       |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Methylmalonic acid | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Microalbumin       |                       |                               |                             |                         |                      |                 |                         |                      | ○               |                        |                      |                                |                                      |                                |                        |
| Molybdenum Mo      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Myoglobin          | ○                     |                               | ○                           | ○                       |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| NEFA               |                       |                               |                             |                         |                      | ○               |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Neodymium Nd       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Nickel Ni          |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Niobium Nb         |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| NT-proBNP          | ○                     |                               | ○                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Osmolality         |                       |                               |                             |                         |                      | ○               | ○                       |                      | ○               |                        |                      |                                |                                      |                                |                        |
| Ostase             | ○                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Paracetamol        |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| pH                 |                       |                               |                             |                         |                      |                 |                         |                      | ○               |                        |                      |                                |                                      |                                |                        |
| Phenobarbitone     |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Phenytoin          |                       |                               |                             |                         |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                | ○                      |
| Phosphorus P       |                       |                               |                             |                         |                      | ○               | ○                       | ○                    | ○               |                        |                      | ○                              | ○                                    | ○                              |                        |
| Platinum Pt        |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Potassium K        |                       |                               |                             |                         |                      | ○               | ○                       | ○                    | ○               |                        |                      | ○                              | ○                                    | ○                              |                        |
| Praseodymium Pr    |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                        |
| Prealbumin         |                       |                               |                             | ○                       |                      |                 | ○                       |                      |                 |                        |                      |                                |                                      |                                |                        |

○ Analyte present   ■ Present in L-1   ▲ Present in L-2

The above index is updated as of January 2019.

## Analyte index Preg - Te

|                            | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Cardiac Acute Liq | Seronorm™ Immunoprotein | Seronorm™ CRP Liquid | Seronorm™ Human | Autonom™ Clin Chem Liq | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Autonom™ Pharmaca Liq |
|----------------------------|-----------------------|-------------------------------|-----------------------------|-------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|-----------------------|
| See page number            | 12                    | 14                            | 15                          | 16                      | 17                   | 18              | 19                     | 20                   | 21              | 22                     | 23                   | 24                             | 25                                   | 26                             | 27                    |
| Pregnancy                  |                       |                               |                             |                         |                      |                 |                        |                      | ○               |                        |                      |                                |                                      |                                |                       |
| Pro-BNP                    | ○                     |                               | ○                           |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Progesterone               | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Procalcitonin              |                       |                               | ○                           |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Prolactin                  | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Prostatic acid phosphatase | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Protein, total             |                       |                               |                             | ○                       |                      | ○               | ○                      |                      | ○               |                        |                      |                                |                                      |                                |                       |
| PSA, complexed             | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| PSA, free                  | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| PSA, total                 | ○                     | ○                             |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| PTH, intact                | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| RF                         |                       |                               |                             | ○                       |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Rhenium                    |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| Rubidium Rb                |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| S-100β                     |                       |                               | ○                           |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Samarium Sm                |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| Selenium Se                |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| SHBG                       | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Silver Ag                  |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| Sodium Na                  |                       |                               |                             |                         |                      | ○               | ○                      | ○                    | ○               |                        |                      | ○                              | ○                                    | ○                              |                       |
| Specific gravity           |                       |                               |                             |                         |                      |                 |                        |                      | ○               |                        |                      |                                |                                      |                                |                       |
| Strontium Sr               |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| Sulfur S                   |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| T3, free                   | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| T3, total                  | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| T4, free                   | ○                     | ○                             |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| T4, total                  | ○                     | ○                             |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Tantalum Ta                |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| TBG                        | ○                     |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |
| Teicoplanin                |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                | ○                     |
| Tellurium Te               |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| Terbium Tb                 |                       |                               |                             |                         |                      |                 |                        |                      |                 |                        |                      | ○                              | ○                                    | ○                              |                       |
| Testosterone               | ○                     | ○                             |                             |                         |                      |                 |                        |                      |                 |                        |                      |                                |                                      |                                |                       |

## Analyte index

### Th - Z

|                 | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Cardiac Acute Liq | Seronorm™ Immunoprotein | Seronorm™ CRP Liquid | Seronorm™ Human | Autonorm™ Clin Chem Liq | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Autonorm™ Pharmaca Liq |
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| See page number | 12                    | 14                            | 15                          | 16                      | 17                   | 18              | 19                      | 20                   | 21              | 22                     | 23                   | 24                             | 25                                   | 26                             | 27                     |
| Thallium Tl     |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Theophylline    | o                     |                               |                             |                         |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                | o                      |
| Thorium Th      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Thulium Tm      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Thyreoglobulin  | o                     |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| TIBC            |                       |                               |                             |                         |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Tin Sn          |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Tobramycin      |                       |                               |                             |                         |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                | o                      |
| Topiramate      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | o                      |
| Transferrin     |                       |                               |                             | o                       |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Triglycerides   |                       |                               |                             |                         |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Troponin I      | o                     |                               | o                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Troponin T      | o                     |                               | o                           |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| TSH             | o                     | o                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| UIBC            |                       |                               |                             |                         |                      | o               | o                       |                      |                 |                        |                      |                                |                                      |                                |                        |
| Uranium U       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Urea            |                       |                               |                             |                         |                      | o               | o                       |                      | o               |                        |                      |                                |                                      |                                |                        |
| Uric Acid       |                       |                               |                             |                         |                      | o               | o                       |                      | o               |                        |                      |                                |                                      |                                |                        |
| Valproic Acid   |                       |                               |                             |                         |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                | o                      |
| Vanadium V      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Vancomycin      |                       |                               |                             |                         |                      |                 | o                       |                      |                 |                        |                      |                                |                                      |                                | o                      |
| Vitamin B12     | o                     | o                             |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                |                        |
| Ytterbium Yb    |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Yttrium Y       |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Zinc Zn         |                       |                               |                             |                         |                      | o               | o                       |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Zirconium Zr    |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      | o                              | o                                    | o                              |                        |
| Zonisamide      |                       |                               |                             |                         |                      |                 |                         |                      |                 |                        |                      |                                |                                      |                                | o                      |

o Analyte present   ■ Present in L-1   ▲ Present in L-2

The above index is updated as of January 2019.

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