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SERO 1963-2013:

50 years of service to laboratory medicine

SERO is a Norwegian expertise-based biotechnology company manufacturing and marketing quality control materials and calibrators worldwide.

SERO has been a pioneer in the field of QC materials for laboratories. SERO's founder, Professor Dr Med. Lorentz Eldjarn, started developing control sera as early as in the 1950s. Professor Eldjarn's extensive professional knowledge and passionate interest in laboratory quality led to the establishment of SERO in 1963. In 1975, he received the Clinical Chemistry Award from the IFCC (International Federation of Clinical Chemistry).

Over the decades, SERO has developed extensive experience as a specialized manufacturer of serum-based controls and calibrators – covering immunoassay, clinical chemistry, lipids, hormones, proteins, tumour markers, cardiac markers, diabetes, trace elements and drugs. To fulfill the needs of the rapidly evolving field of laboratory medicine, the number of components incorporated into these products has also steadily grown.

SERO's head office is situated iust outside Oslo. Here we run an integrated unit including R&D, purchasing, production, laboratory, logistics, marketing and sales operations in order to secure the best standards from raw materials to end users.

In addition to having a strong position in our home market Scandinavia, we export more than 90 % of our production to more than 50 countries worldwide, including quality-conscious markets such as Japan and Germany - from our ISO 9001 and ISO 13485 certified facilities. SERO runs its own accredited laboratory (ISO 17025 certified), which plays an important role in the quality control of all our products.





The SERO staff at your service: Competence, dedication, flexibility

Whereas most IVD companies are involved in many activities, producing control sera is SERO's dedicated production activity.





This allows us to focus exclusively on the knowledge and technical expertise needed to produce world-class control sera and calibrators. SERO's staff are highly competent and dedicated; we are flexible and are able to adapt our products quickly to meet our customers' needs.

With the "black box system" that most instrument producers offer nowadays, the best way medical laboratories can control their laboratory system is through the use of third party quality controls. SERO is proud to be the independent control sera specialist that offers laboratories the tools necessary to ensure reliable analytical results from day to day and between laboratories.

Together, all these factors make us unique and highly appreciated by the large number of customers we serve.

Products you can rely on

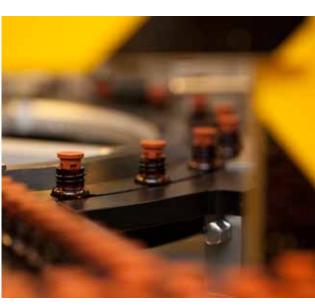
Highly controlled manufacturing processes, the strict selection of raw materials along with our high level of expertise ensure the high quality of SERO products. Raw materials and suppliers are selected based on ethical standards, accountability and traceability.

The human serum used in our products is collected from healthy, voluntary, unpaid donors in accordance with European standards and regulations for blood bank services. Each plasma unit and other human-based additives are tested negative for Hbs antigen and HCV, HIV I and HIV II antibodies with CE-approved tests. Human-based additives are only sourced from reputable companies that can document the safe and ethical origin of the materials.

The most important use of safe human blood products is for the treatment of patients. There is an unmet medical need for such products in many countries. To follow recommendations from the WHO and medical authorities, and to give our customers an ethical choice, SERO also produces animal-based control sera when such products show full technical compatibility with human products for use as control materials. All animal raw materials are collected from veterinarycertified healthy animals at Norwegian facilities which are government approved according to EU-regulations. Norway is free of most veterinary diseases and BSE has never been reported in the country.

All products are manufactured to be as similar to patient samples as possible. To ensure the best compatibility and commutability with different instruments and methods, stabilizers and preservatives are in general avoided.



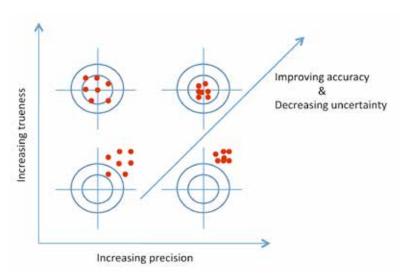


Trustworthy laboratory results through independent and traceable control sera

For any laboratory, choosing a Quality Control (QC) strategy is an important decision that has significant implications for the quality of the laboratory results, which in the end provide medical doctors with a basis for clinical diagnosis.

Laboratory quality control requires a focus both on precision and trueness as defined in ISO 5725-1/1994 & ISO Guide 99/2007.

For most components and methods imprecision is a minor problem compared to the lack of trueness and comparability with other methods and laboratories. The right choice of control sera will enable an independent performance evaluation of instruments, reagents and calibrators. Since 1963, SERO has



been committed to providing independent values. Thus, our branded controls have never been optimized to any manufacturer's instrument or test kit.

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 the controls can be used to compare the trueness of your analytical results with other instruments and reference methods. This

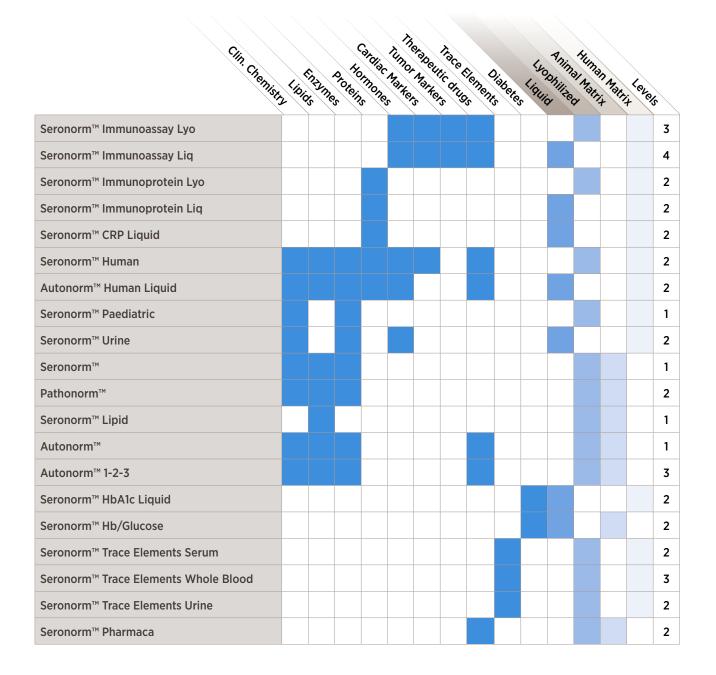
is achieved through providing unique data-keys (certificate of analysis) with specific information on analytical results, methods and traceability in accordance with ISO 17511. For many components the analytical values are traceable to the highest level of the calibration hierarchy through the use of reference methods and/or reference materials, whenever available. In other words – values everyone can trust.

Customized control sera and calibrators

Over the next pages you will find an overview of our product range. If you have specific needs which are not covered by our branded products, SERO can also provide you with customized control sera and calibrators. These products benefit from the same reputation and

have the same high standards as our branded controls. Among our main customer groups for our customized controls are large laboratories or group of laboratories in addition to EQA organizations and diagnostic companies.

SERO's Branded Control Sera



Product benefits

Our product range is developed with focus on features that our customers find important:

- Many components in the same control simplifying laboratory daily life and reducing time and cost
- Good long term stability features allowing the laboratory to use the same batch for a long period of time
- Concentrations and levels carefully selected to contribute to improved clinical decision making
- Liquid and lyophilized material giving you the opportunity to choose
- Independent and traceable values ensuring reliable laboratory results
- Precision and accuracy controls for a complete quality control system in your laboratory

Seronorm[™] Immunoassay

The one and only immunoassay control you need



Product features

- The "All-in-one" immunoassay control, combining hormones, cardiac and tumour markers
- Comprehensive product documentation, providing assigned values for more than 50 components from the most frequently used instruments on the market
- Available both as freeze-dried and liquid controls
- Three (freeze-dried)/four (liquid) clinically relevant levels – each level available separately
- Seronorm Immunoassay Liq low a product with clinically relevant low levels of Cortisol, Ferritin, IgE, free T4, TSH, 25(OH) Vitamin D and Vitamin B12
- Long shelf life

Stability

- Liquid material:
 - 3 years stability when stored at \leq 20 °C
 - Opened vials (with a few exceptions):
 1 month at ≤ 20 °C when refrozen within
 30 minutes
 10 days at 2-8 °C
- Freeze-dried material:
 - 4 years stability when stored at 2-8 °C
 - After reconstitution (with a few exceptions):
 1 month at ≤ 20 °C
 10 days at 2-8 °C

Components:

17- α -OH-Progesterone IgE* 25(OH) Vitamin D* IGF1 AFP Insulin Aldosterone LH

Androstendione Methylmalonic acid

Myoglobin Anti-Tg Anti-TPO NT-proBNP β2-microglobulin Ostase β-hCG, total Progesterone CA 125 Prolactin CA 15-3 PSA, free CA 19-9 PSA, total CEA PTH. intact CK-MB SHBG Cortisol* T3, free C-peptide T3, total **DHEA-Sulphate** T4, free*

EPO TBG

Estradiol Testosterone

Ferritin* Theophylline

Folate Thyreoglobulin

FSH Troponin I

hCG, total Troponin T

hGH TSH*

T4, total*

Homocysteine Vitamin B12*

Refer to the package insert of currently available lots for specific analyte and stability claims.

Order Information:

Digoxin

| Art. no | Product Name | 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 |
| 207305 | Seronorm™ Immunoassay Liq low | 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 |

^{*} Available in Seronorm Immunoassay Liq Low

Seronorm[™] Immunoprotein



Product features

- Human-based protein control, containing more than 20 proteins, e.g. Cystatin C, anti-CCP, RF, CRP and ASL
- Protein documentation with nephelometric and turbidimetric methods
- Two clinically relevant levels each level available separately
- Available both as freeze-dried and liquid controls

Stability

- Liquid material:
 - 2 years stability when stored at \leq 20 °C
 - Opened vials (with a few exceptions):
 1 month at ≤ 20 °C
 14 days at 2-8 °C
- Freeze-dried material:
 - 3 years stability when stored at 2-8 °C
 - After reconstitution (with a few exceptions):
 1 month at ≤ 20 °C
 7 days at 2-8 °C

Components:

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

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | 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 |

^{*} only in Seronorm Immunoprotein Liq

Seronorm[™] CRP Liquid

Straight from the fridge into the instrument



Product features

- Cost effective and practical human-based CRP control
- Two clinically relevant levels with methodspecific assayed values
- Liquid ready to use straight from the fridge!
- Good stability in opened vials

Stability

- 3 years stability when stored at 2-8 °C
- Opened vials:
 - 1 month at 2-8 °C
 - 7 days at 15-25 °C

Components:

CRP

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | Size |
|---------|--------------------------|-----------|
| 202205 | Seronorm™ CRP liquid L-1 | 12 x 1 mL |
| 202305 | Seronorm™ CRP liquid L-2 | 12 x 1 mL |

Seronorm[™] Human

Multi component control with long shelf life



Product features

- Multi-component human-based assayed control which covers most components analysed on clinical chemistry platforms
- Product documentation with assigned values for 60 components, including genuine lipids, routine clinical chemistry analytes, enzymes, proteins, hormones, cardiac markers and drugs
- Traceable values to reference methods for many of the components
- Two clinically relevant levels each level available separately
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Components:

| ALAT Albumin ALP Amylase, pancreas Amylase, total Apolipoprotein A1 Apolipoprotein B ASAT Bile Acid Bilirubin, direct Bilirubin, total Calcium Chloride Cholesterol, HDL Cholesterol, LDL Cholesterol, total Cholinesterase CK CK-MB Copper | CRP Digoxin Estradiol Ferritin Folate GGT GLDH Glucose HBDH hCG Homocysteine IgA IgG IgM Iron Lactate LDH Lipase Lithium Magnesium | Osmolality Phospholipids Phosphorus Potassium Progesterone Protein, total Sodium T3, free T3, total T4, free T4, total Testosterone Theophylline Transferrin Triglycerides TSH UIBC Urea Uric Acid Vitamin B12 |
|---|--|--|
| Creatinine | NEFA | Zinc |

Refer to the package insert of currently available lots for specific analyte and stability claims.

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

Autonorm[™] **Human Liquid**

A chemistry control ready to use



Product features

- Complete human-based control, including clinical chemistry analytes, lipids, enzymes, proteins, hormones, cardiac markers and therapeutic drugs
- Product documentation with approximate value list for more than 50 components including genuine lipids, proteins (e.g. CRP, Apo A1 and Apo B) and therapeutic drugs
- Available in 2 clinically relevant levels, each level available separately
- Liquid ready to use!

Stability

- 2 years stability when stored at ≤ 20 °C (with a few exceptions)
- Opened vials:
 - 1 month at ≤ 20 °C
 - 14 days at 2-8 °C

Components:

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

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | Size |
|---------|----------------------------|-----------|
| 202615 | Autonorm™ Human Liquid L-1 | 10 x 8 mL |
| 202715 | Autonorm™ Human Liquid L-2 | 10 x 8 mL |

Seronorm[™] Paediatric

Specially made for the newborn



Product features

- Control serum specially made for the newborn
- Human-based material with important components at clinically relevant paediatric levels
- Product documentation including analytical data with documented traceability on all components
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Components:

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

Refer to the package insert of currently available lots for specific analyte and stability claims.

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

Seronorm[™] Urine



Product features

- Human-based urine control with stable creatinine
- Product documentation with an approximate value list for the most frequently used instruments on the market
- Two clinically relevant levels each level available separately
- Liquid ready to use!
- Good stability in opened vials

Stability

- 2 years stability when stored at 2-8 °C
- Opened vials:
 - 1 month at 2-8 °C

Components:

Albumin/Creatinine quota pH

Amylase Phosphorus
Calcium Potassium
Chloride Pregnancy
Cortisol Protein, total
Creatinine Sodium

Glucose Specific gravity

Magnesium Urea Microalbumin Uric Acid

Osmolality

Refer to the package insert of currently available lots for specific analyte and stability claims.

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

Seronorm™



Product features

- Animal-based control serum for clinical chemistry
- Product documentation with analytical data for more than 40 of the most important components in clinical chemistry
- Independent and traceable values
- Most of the component analytical values are targeted at normal levels
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Order Information:

| Art. no | Product Name | Size |
|---------|--------------|-----------|
| 100105 | Seronorm™ | 10 x 5 mL |

Components:

ALAT Glucose Albumin HBDH ALP Iron Amylase, pancreas Lactate Amylase, total LDH **ASAT** Lipase Bicarbonate Lithium Bile Acid Magnesium Bilirubin, direct Osmolality Bilirubin, total Phenylalanin Calcium Phosphorus Chloride Potassium Cholesterol, HDL Protein, total Cholesterol, total Sodium Cholinesterase T3, total CK T4, total Triglycerides Copper UIBC Cortisol

Creatinine Urea Folate Uric Acid GGT Zinc

GLDH

Refer to the package insert of currently available lots for specific analyte and stability claims.

Pathonorm™



Product features

- Animal-based control serum for clinical chemistry
- Product documentation with analytical data for more than 40 of the most important components in clinical chemistry
- Independent and traceable values
- Available in 2 clinically relevant levels, both levels available separately
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution (with a few exceptions):
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Order Information:

| Art. no | Product Name | Size |
|---------|--------------|-----------|
| 100705 | Pathonorm™ H | 10 x 5 mL |
| 100805 | Pathonorm™ L | 10 x 5 mL |

Components:

ALAT Glucose
Albumin HBDH
ALP Iron
Amylase, pancreas Lactate
Amylase, total LDH
ASAT Lipase

Bicarbonate (only H)

Bile Acid

Bilirubin, direct

Lithium (Only H)

Magnesium

Osmolality

Bilirubin, total Phenylalanin (Only H)

Calcium Phosphorus
Chloride Potassium
Cholesterol, HDL Protein, total
Cholesterol, total Sodium
Cholinesterase T3, total
CK T4, total
Copper Triglycerides

Cortisol UIBC
Creatinine Urea
Folate (Only L) Uric Acid
GGT Zinc

GLDH

Refer to the package insert of currently available lots for specific analyte and stability claims.

Seronorm[™] Lipid



Product features

- Animal-based control serum for lipid analyses
- Most of the analytical values for components are on the borderline between normal and pathologically
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Components:

Bile Acid

Cholesterol, HDL

Cholesterol, LDL

Cholesterol, total

NEFA

Phospholipids

Triglycerides

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | Size |
|---------|-----------------|-----------|
| 100205 | Seronorm™ Lipid | 12 x 3 mL |

Autonorm™



Product features

- Animal-based quality control covering the most important components in the clinical chemistry laboratory
- Product documentation with approximate value list for about 30 components
- Component levels mainly in the normal range
- Pharmaca-free
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 $^{\circ}\text{C}$
- After reconstitution (with a few exceptions):
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Order Information:

| Art. no | Product Name | Size |
|---------|---------------------|-----------|
| 100005 | Autonorm™ | 6 x 10 mL |

Components:

| ALAT | GLDH |
|--------------------|----------------|
| Albumin | Glucose |
| ALP | Iron |
| Amylase, total | Lactate |
| ASAT | LDH |
| Bilirubin, direct | Lipase |
| Bilirubin, total | Lithium |
| Calcium | Magnesium |
| Chloride | Phosphorus |
| Cholesterol, HDL | Potassium |
| Cholesterol, total | Protein, total |
| Cholinesterase | Sodium |
| CK | Triglycerides |
| CK-MB | UIBC |
| Copper | Urea |
| Creatinine | Uric Acid |
| GGT | |

Refer to the package insert of currently available lots for specific analyte and stability claims.

Autonorm[™] 1-2-3



Product features

- Animal-based control serum for the most important components in clinical chemistry laboratories
- Available in 3 clinically relevant levels, each level available separately
- Product documentation with approximate value list for more than 40 components including 10 therapeutic drugs (in L-2 and L-3)
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution (with a few exceptions):
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Order Information:

| Art. no | Product Name | Size |
|---------|---------------------------|-----------|
| 101905 | Autonorm™ L-1 | 10 x 5 mL |
| 102005 | Autonorm [™] L-2 | 10 x 5 mL |
| 102105 | Autonorm™ L-3 | 10 x 5 mL |

Components:

ALAT **HBDH** Albumin Iron ALP Lactate Amylase, Pancreas LDH Amylase, total Lipase **ASAT** Lithium Bicarbonate Magnesium Bilirubin, direct Paracetamol Bilirubin, total Phenobarbitone Calcium Phenytoin Carbamazepine Phosphorus Chloride Potassium Cholesterol, HDL Protein, total Cholesterol, total Salicylate CK Sodium Copper Theophylline Creatinine Triglycerides Digoxin UIBC Gentamycine Urea GGT Uric Acid GLDH Valproic Acid Glucose Vancomycin

Refer to the package insert of currently available lots for specific analyte and stability claims.

Seronorm[™] HbA1c Liquid



Product features

- Human-based user-friendly diabetes control
- Product documentation with assayed values for immunological and Point of Care (PoC) methods
- Two clinically relevant levels each available separately
- Liquid ready to use!
- Good stability in opened vials

Stability

- 2 years stability when stored at ≤ 20 °C
- Opened vials:
 - 1 month at 2-8 °C

Components:

HbA1c

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | 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



Product features

- Quality control for Point of Care (PoC) combining Hemoglobin and Glucose in one
- Two clinically relevant levels each level available separately
- Liquid ready to use!
- Good stability in opened vials

Stability

- 3 years stability when stored at 2-8 °C
- Opened vials:
 - 1 month at 2-8 °C

Components:

Glucose

Hemoglobin

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | 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



Product features

- Serum control for routine analyses of toxicology and environmental pollution, including trace elements and heavy metals
- Product documentation with analytical values for more than 60 elements
- Independent analytical values traceable to international reference materials
- Two clinically relevant levels each level available separately
- Freeze-dried material, excellent shelf life

Stability

- 7 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

The clinically most relevant components:

Aluminium Lithium Calcium Manganese Chromium Magnesium Cobalt Mercury Copper Nickel Fluoride Selenium Gold Phosphorus Iron Zinc

Refer to component index (page 26) for a total of more than

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | Size |
|---------|--|----------|
| 201405 | Seronorm [™] Trace Elements Serum L-1 | 6 x 3 mL |
| 203105 | Seronorm [™] Trace Elements Serum L-2 | 6 x 3 mL |

Seronorm™ Trace Elements Whole Blood



Product features

- Whole-blood control for routine analyses of toxicology and environmental pollution, including trace elements and heavy metals
- Product documentation with analytical values on more than 60 elements
- Independent analytical values traceable to international reference materials
- Three clinically relevant levels each level available separately
- Freeze-dried material, excellent shelf life

Stability

- 5 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

The clinically most relevant components:

Aluminium Lead Antimony Manganese Arsenic Mercury Beryllium Molybdenum Bismuth Nickel Cadmium Selenium Chromium Thallium Cobalt Tin Vanadium Copper Fluoride 7inc

Iodine

Refer to component index (page 26) for a total of more than 60 elements.

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | Size |
|---------|---|-----------|
| 210105 | $Seronorm^{\text{TM}} \ Trace \ Elements \ Whole \ Blood \ L-1$ | 10 x 3 mL |
| 210205 | $Seronorm^{\text{TM}} \ Trace \ Elements \ Whole \ Blood \ L-2$ | 10 x 3 mL |
| 210305 | Seronorm [™] Trace Elements Whole Blood L-3 | 10 x 3 mL |

Seronorm[™] Trace Elements Urine



Product features

- Urine control for routine analyses of toxicology and environmental pollution, including trace elements and heavy metals
- Product documentation with analytical values for more than 70 elements and toxic organic components
- Independent analytical values traceable to international reference materials
- Two clinically relevant levels each level available separately
- Freeze-dried material, excellent shelf life

Stability

- 7 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

The clinically most relevant components:

Aluminium Nickel **Antimony** Selenium Arsenic Tellerium Bervllium Thallium Bismuth Tin Cadmium Vanadium Chromium Zinc Cobalt 1-hydroxypyrene* Fluoride Formic acid* lodine Phenol* Mandelic acid Lead Tetrachloroethylene* Manganese Trichloroacetic acid* Mercury

Refer to component index (page 26) for a total of more than 70 elements and toxic organic components.

Refer to the package insert of currently available lots for specific analyte and stability claims.

*Only in L-2

| Art. no | Product Name | Size |
|---------|--|-----------|
| 210605 | Seronorm [™] Trace Elements Urine L-1 | 10 x 5 mL |
| 210705 | Seronorm™ Trace Elements Urine L-2 | 10 x 5 mL |

Seronorm[™] Pharmaca

"A Pharmacy in a bottle"...



Product features

- Pharmaca control containing 30 therapeutic drugs including antibiotics, antiepileptics, antiasthmatics, digitalis and psychotherapeutic drugs
- Product documentation with added amounts given on all components
- Two clinically relevant levels each level available separately
- Freeze-dried material, offering long shelf life

Stability

- 4 years stability when stored at 2-8 °C
- After reconstitution:
 - 1 month at ≤ 20 °C
 - 7 days at 2-8 °C

Components:

| Amikasin | Lidocaine |
|-----------------|----------------|
| Caffeine | Lithium |
| Carbamazepine | Methotrexate |
| Chloramphenicol | Nortriptyline |
| Clonazepam | Paracetamol |
| Cyclosporine | Phenobarbitone |
| Desipramine | Phenytoin |
| Diazepam | Primidone |
| Digoxin | Procainamide |
| Disopyramide | Quinidine |
| Ethosuximide | Salicylate |
| Flecainide | Theophylline |
| Gentamycine | Tobramycin |
| Haloperidol | Valproic acid |
| Imipramine | Vancomycin |
| | |

Refer to the package insert of currently available lots for specific analyte and stability claims.

| Art. no | Product Name | Size |
|---------|------------------------|-----------|
| 101405 | Seronorm™ Pharmaca L-1 | 10 x 5 mL |
| 101505 | Seronorm™ Pharmaca L-2 | 10 x 5 mL |

| See page number 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 17-α-OH-Progesterone 0 <td< th=""><th>24 2</th><th>25</th></td<> | 24 2 | 25 |
|--|----------|----|
| 1-Hydroxypyrene 0 | | |
| 1-Hydroxypyrene 25(OH) Vitamin D O | A | |
| 25(OH) Vitamin D O | | |
| α1-acid-glycoprotein O | | |
| α1-antitrypsin O | | |
| α2-macroglobulin O | | |
| AFP O O O O O O O O O O O O O O O O O O O | | |
| ALAT 0 0 0 0 0 0 0 Albumin 0 0 0 0 0 0 0 Albumin/Creatinine quota 0 0 0 0 0 0 0 Aldosterone 0 0 0 0 0 0 0 0 0 0 | 1 1 | |
| Albumin O </td <td></td> <td></td> | | |
| Albumin/Creatinine quota 0 Aldosterone 0 ALP 0 0 0 0 0 0 | | |
| Aldosterone O ALP O < | | |
| ALP 0 0 0 0 0 0 0 | | |
| | | |
| Aluminium | 0 | |
| Amikasin O | | 0 |
| Amylase, pancreas OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO | | |
| Amylase, total | | |
| Androstendione O | | |
| Anti-CCP O | | |
| Antimony | 0 | |
| Anti-Tg O | | |
| Anti-TPO O | | |
| Apolipoprotein A1 O O O | | |
| Apolipoprotein B O O | | |
| Arsenic | 0 | |
| ASAT O O O O O | | |
| ASL O O | | |
| β2-microglobulin O O | | |
| β-hCG, total O | | |
| Barium | 0 | |
| Beryllium O O | 0 | |
| Bicarbonate O O O | | |
| Bile Acid O O O O | | |
| Bilirubin, direct OOOOOOOOOO | | |
| Bilirubin, indirect O | | |
| Bilirubin, total OOOOOOO | | |
| Bismuth O O | 0 | |
| Boron | 0 | |
| Bromine O O | | |

| See page number | Component index C - D | Seronorm TM Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Immunoprotein | Seronorm™ CRP liquid | Seronorm™ Human | Autonorm™ Human Liquid | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm TM | Pathonorm™ | Seronorm™ Lipid | Autonorm™ | Autonorm™ 1-2-3 | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Seronorm™ Pharmaca |
|---|--------------------------|------------------------------------|-------------------------------|-------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|------------|-----------------|-----------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------|
| C4 125 | See page number | 8 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| CA 125 CA 15-3 O CA 19-9 O CAffeine Cadrium Caffeine Calcium Carbamazepine CEA Cerum CEA Cerum CEA Cerum CEA Contramphenicol Cholesterol, HDL Cholesterol, LDL Cholesterol, | C3c | | | 0 | | | 0 | | | | | | | | | | | | | |
| CA 15-3 | C4 | | | 0 | | | 0 | | | | | | | | | | | | | |
| CA 19-9 | CA 125 | 0 | | | | | | | | | | | | | | | | | | |
| Cadrilum 0< | CA 15-3 | 0 | | | | | | | | | | | | | | | | | | |
| Cafeine 0 </td <td>CA 19-9</td> <td>0</td> <td></td> | CA 19-9 | 0 | | | | | | | | | | | | | | | | | | |
| Calcium 0 </td <td>Cadmium</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td></td> | Cadmium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Carbamazepine 0 < | Caffeine | | | | | | | | | | | | | | | | | | | 0 |
| CEA O Image: Control of the control of | Calcium | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | |
| CEA O Image: Control of the control of | Carbamazepine | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| Ceruloplasmin 0 < | | 0 | | | | | | | | | | | | | | | | | | |
| Cesium | Cerium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Chloramphenicol 0 | Ceruloplasmin | | | 0 | | | 0 | | | | | | | | | | | | | |
| Chloride 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cesium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Cholesterol, HDL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Chloramphenicol | | | | | | | | | | | | | | | | | | | 0 |
| Cholesterol, LDL 0 | Chloride | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | | | | |
| Cholesterol, total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cholesterol, HDL | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Cholinesterase 0 | Cholesterol, LDL | | | | | 0 | 0 | | | | | 0 | | | | | | | | |
| Chromium 0< | Cholesterol, total | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | | | | |
| CK 0 | Cholinesterase | | | | | 0 | | | | 0 | 0 | | 0 | | | | | | | |
| CK-MB 0 <td>Chromium</td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> | Chromium | | | | | | | | | | | | | | | | 0 | 0 | | |
| Clonazepam 0 | CK | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | | | | |
| Cobalt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | CK-MB | 0 | | | | 0 | 0 | | | | | | 0 | | | | | | | |
| Copper 0 <td>Clonazepam</td> <td></td> <td>0</td> | Clonazepam | | | | | | | | | | | | | | | | | | | 0 |
| Cortisol O< | Cobalt | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| C-peptide 0 | Copper | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | 0 | 0 | | |
| Creatinine 0 0 0 0 0 0 0 CRP 0 0 0 0 0 Cyclosporine 0 Cystatin C 0 Desipramine 0 DHEA-Sulphate 0 Diazepam 0 Digitoxin 0 Digoxin 0 Disopyramide 0 | | 0 | 0 | | | | | | 0 | 0 | 0 | | | | | | | | | |
| CRP 0 0 0 0 0 Cyclosporine 0 0 Cystatin C 0 0 Desipramine 0 0 DHEA-Sulphate 0 0 Diazepam 0 0 Digitoxin 0 0 Digoxin 0 0 Disopyramide 0 0 | C-peptide | 0 | | | | | | | | | | | | | | | | | | |
| Cyclosporine 0 Cystatin C 0 Desipramine 0 DHEA-Sulphate 0 Diazepam 0 Digitoxin 0 Digoxin 0 Disopyramide 0 | | | | | | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | | | | | | |
| Cystatin C 0 | CRP | | | 0 | 0 | 0 | 0 | | | | | | | | | | | | | |
| Cystatin C 0 | Cyclosporine | | | | | | | | | | | | | | | | | | | 0 |
| DHEA-Sulphate O Diazepam O Digitoxin O Digoxin O Disopyramide O | | | | 0 | | | | | | | | | | | | | | | | |
| DHEA-Sulphate O Diazepam O Digitoxin O Digoxin O Disopyramide O | | | | | | | | | | | | | | | | | | | | 0 |
| Diazepam 0 Digitoxin 0 Digoxin 0 Disopyramide 0 | | 0 | | | | | | | | | | | | | | | | | | |
| Digitoxin O | | | | | | | | | | | | | | | | | | | | 0 |
| Digoxin O O O Disopyramide O O O | | | | 0 | | | 0 | | | | | | | | | | | | | |
| Disopyramide | | 0 | | | | 0 | | | | | | | | 0 | | | | | | 0 |
| | | | | | | | | | | | | | | | | | | | | |
| Dysprosium | Dysprosium | | | | | | | | | | | | | | | | 0 | 0 | 0 | $\mid - \mid \mid$ |

| Component index E – I | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Immunoprotein | Seronorm™ CRP liquid | Seronorm™ Human | Autonorm™ Human Liquid | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm TM | Pathonorm™ | Seronorm™ Lipid | Autonorm™ | Autonorm™ 1-2-3 | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Seronorm [™] Pharmaca |
|--------------------------|-----------------------|-------------------------------|-------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|------------|-----------------|-----------|-----------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------------------|
| See page number | 8 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| EPO | 0 | | | | | | | | | | | | | | | | | | |
| Erbium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Estradiol | 0 | | | | 0 | | | | | | | | | | | | | | |
| Ethanol | | | | | | 0 | | | | | | | | | | | | | |
| Ethosuximide | | | | | | | | | | | | | | | | | | | 0 |
| Europium | | | | | | | | | | | | | | | | | 0 | 0 | |
| Ferritin | 0 | 0 | 0 | | 0 | 0 | | | | | | | | | | | | | |
| Flecainide | | | | | | | | | | | | | | | | | | | 0 |
| Fluoride | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Folate | 0 | | | | 0 | | | | 0 | 0 | | | | | | | | | |
| Formic acid | | | | | | | | | | | | | | | | | | A | |
| FSH | 0 | | | | | | | | | | | | | | | | | | |
| Gadolinium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Gallium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Gentamycine | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| GGT | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | | | | |
| GLDH | | | | | 0 | | | | 0 | 0 | | 0 | 0 | | | | | | |
| Glucose | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | | | | |
| Gold | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Hafnium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Haloperidol | | | | | | | | | | | | | | | | | | | 0 |
| Haptoglobin | | | 0 | | | 0 | | | | | | | | | | | | | |
| HbA1c | | | | | | | | | | | | | | 0 | | | | | |
| HBDH | | | | | 0 | | | | 0 | 0 | | | 0 | | | | | | |
| hCG | | | | | 0 | | | | | | | | | | | | | | |
| hCG, total | 0 | | | | | | | | | | | | | | | | | | |
| Hemoglobin | | | | | | | | | | | | | | | 0 | | | | |
| hGH | 0 | | | | | | | | | | | | | | | | | | |
| Holmium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Homocysteine | 0 | | | | 0 | | | | | | | | | | | | | | |
| IgA | | | 0 | | 0 | 0 | | | | | | | | | | | | | |
| IgE | 0 | 0 | 0 | | | | | | | | | | | | | | | | |
| lgF1 | 0 | | | | | | | | | | | | | | | | | | |
| IgG | | | 0 | | 0 | 0 | | | | | | | | | | | | | |
| IgM | | | 0 | | 0 | 0 | | | | | | | | | | | | | |
| Imipramine | | | | | | | | | | | | | | | | | | | 0 |
| Insulin | 0 | | | | | | | | | | | | | | | | | | |
| lodine | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Iridium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Iron | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | 0 | 0 | | |

| Component index L - Prea | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Immunoprotein | Seronorm™ CRP liquid | Seronorm™ Human | Autonorm™ Human Liquid | Seronorm [™] Paediatric | Seronorm™ Urine | Seronorm TM | Pathonorm™ | Seronorm™ Lipid | Autonorm™ | Autonorm TM 1-2-3 | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm TM Trace Elements Serum | Seronorm TM Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Seronorm™ Pharmaca |
|-----------------------------|-----------------------|-------------------------------|-------------------------|----------------------|-----------------|------------------------|----------------------------------|-----------------|------------------------|------------|-----------------|-----------|------------------------------|------------------------|----------------------|---|---|--------------------------------|--------------------|
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| Lactate | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | | | | |
| Lanthanum | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| LDH | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | | | | |
| Lead | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| LH | 0 | | | | | | | | | | | | | | | | | | |
| Lidocaine | | | | | | | | | | | | | | | | | | | 0 |
| Lipase | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | | | | |
| Lithium | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | 0 |
| Lutetium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Magnesium | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | |
| Mandelic acid | | | | | | | | | | | | | | | | | | A | |
| Manganese | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Mercury | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Methotrexate | | | | | | 0 | | | | | | | | | | | | | 0 |
| Methylmalonic acid | 0 | | | | | | | | | | | | | | | | | | |
| Microalbumin | | | | | | | | 0 | | | | | | | | | | | |
| Molybdenum | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Myoglobin | 0 | | 0 | | | | | | | | | | | | | | | | |
| NEFA | | | | | 0 | | | | | | 0 | | | | | | | | |
| Neodymium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Nickel | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Niobium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Nortriptyline | | | | | | | | | | | | | | | | | | | 0 |
| NT-proBNP | 0 | | | | | | | | | | | | | | | | | | |
| Osmolality | | | | | 0 | 0 | | 0 | 0 | 0 | | | | | | | | | |
| Ostase | 0 | | | | | | | | | | | | | | | | | | |
| Paracetamol | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| рН | | | | | | | | 0 | | | | | | | | | | | |
| Phenobarbitone | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| Phenol | | | | | | | | | | | | | | | | | | A | |
| Phenylalanin | | | | | | | 0 | | 0 | 0 | | | | | | | | | |
| Phenytoin | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| Phospholipids | | | | | 0 | | | | | | 0 | | | | | | | | |
| Phosphorus | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | |
| Platinum | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Potassium | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | |
| Praseodymium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Prealbumin | | | 0 | | | | | | | | | | | | | | | | |

| Component index Preg - Te | Seronorm™ Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Immunoprotein | Seronorm™ CRP liquid | Seronorm™ Human | Autonorm™ Human Liquid | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm TM | Pathonorm™ | Seronorm™ Lipid | Autonorm™ | Autonorm [™] 1-2-3 | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Seronorm™ Pharmaca |
|------------------------------|-----------------------|-------------------------------|-------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|--------------|-----------------|-----------|-----------------------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------|
| See page number | 8 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Pregnancy | | | | | | | | 0 | | | | | | | | | | | |
| Primidone | | | | | | | | | | | | | | | | | | | 0 |
| Procainamide | | | | | | | | | | | | | | | | | | | 0 |
| Progesterone | 0 | | | | 0 | | | | | | | | | | | | | | |
| Prolactin | 0 | | | | | | | | | | | | | | | | | | |
| Protein, total | | | 0 | | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | | | | | | |
| PSA, free | 0 | | | | | | | | | | | | | | | | | | |
| PSA, total | 0 | | | | | | | | | | | | | | | | | | |
| PTH, intact | 0 | | | | | | | | | | | | | | | | | | |
| Quinidine | | | | | | 0 | | | | | | | | | | | | | 0 |
| RF | | | 0 | | | | | | | | | | | | | | | | |
| Rhenium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Rhodium | | | | | | | | | | | | | | | | | 0 | 0 | |
| Rubidium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Ruthenium | | | | | | | | | | | | | | | | | 0 | 0 | |
| Salicylate | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| Samarium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Scandium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Selenium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| SHBG | 0 | | | | | | | | | | | | | | | | | | |
| Silicon | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Silver | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Sodium | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | |
| Specific gravity | | | | | | | | 0 | | | | | | | | | | | \vdash |
| Strontium | | | | | | | | | | | | | | | | 0 | 0 | 0 | \vdash |
| Sulphur | | | | | | | | | | | | | | | | 0 | 0 | 0 | \vdash |
| T3, free | 0 | | | | 0 | | | | | | | | | | | | | | |
| T3, total | 0 | | | | 0 | | | | 0 | 0 | | | | | | | | | |
| T4, free | 0 | 0 | | | 0 | | | | | | | | | | | | | | |
| T4, total | 0 | | | | 0 | | | | 0 | 0 | | | | | | | | | \vdash |
| Tantalum | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| TBG | 0 | | | | | | | | | | | | | | | | | | |
| Tellurium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Terbium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Testosterone | 0 | | | | 0 | | | | | | | | | | | | | | |
| Tetrachloroethylene | | | | | | | | | | | | | | | | | | 0 | |
| | | | | | | | | | | | | | | | | | | | |

| Component index Th - Z | Seronorm TM Immunoassay | Seronorm™ Immunoassay Liq low | Seronorm™ Immunoprotein | Seronorm™ CRP liquid | Seronorm™ Human | Autonorm™ Human Liquid | Seronorm™ Paediatric | Seronorm™ Urine | Seronorm TM | Pathonorm™ | Seronorm™ Lipid | Autonorm™ | Autonorm [™] 1-2-3 | Seronorm™ HbA1c Liquid | Seronorm™ Hb/Glucose | Seronorm™ Trace Elements Serum | Seronorm™ Trace Elements Whole Blood | Seronorm™ Trace Elements Urine | Seronorm™ Pharmaca |
|---------------------------|------------------------------------|-------------------------------|-------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|------------|-----------------|-----------|-----------------------------|------------------------|----------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------|
| See page number | 8 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Thallium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Theophylline | 0 | | | | 0 | 0 | | | | | | | 0 | | | | | | 0 |
| Thorium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Thulium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Thyreoglobulin | 0 | | | | | | | | | | | | | | | | | | |
| Tin | | | | | | | | | | | | | | | | | 0 | 0 | |
| Titanium | | | | | | | | | | | | | | | | 0 | О | 0 | |
| Tobramycin | | | | | | 0 | | | | | | | | | | | | | 0 |
| Transferrin | | | 0 | | 0 | 0 | | | | | | | | | | | | | |
| Trichloroacetic acid | | | | | | | | | | | | | | | | | | 0 | |
| Triglycerides | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Troponin I | 0 | | | | | | | | | | | | | | | | | | |
| Troponin T | 0 | | | | | | | | | | | | | | | | | | |
| TSH | 0 | 0 | | | 0 | | | | | | | | | | | | | | |
| Tungsten | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| UIBC | | | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | | | | | |
| Uranium | | | | | | | | | | | | | | | | 0 | 0 | 0 | |
| Urea | | | | | 0 | 0 | | О | 0 | 0 | | 0 | 0 | | | | | | |
| Uric Acid | | | | | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | | | | | | |
| Valproic Acid | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| Vanadium | | | | | | | | | | | | | | | | | 0 | 0 | |
| Vancomycin | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| Vitamin B12 | 0 | 0 | | | 0 | | | | | | | | | | | | | | |

 Ytterbium

Zirconium

Yttrium

Zinc

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