

Serana Europe - Leading Manufacturer and Supplier of Cell Culture Products

Serana Europe GmbH is a leading manufacturer and supplier of cell culture products. Our product range includes animal & human sera, sterile liquid & powdered classical media, reagents, supplements, and buffer solutions for cell culture applications. Serana's products are used in all areas where cell culture is performed. This includes the biopharmaceutical industry for the production of vaccines, therapeutic proteins and diagnostics. In addition, we are a major supplier to Academic R&D institutes (universities, hospitals & clinics), private research organizations and various biotech companies.

Our quality assurance team guarantees exceptional quality manufacturing standards which follows relevant guidelines and regulatory requirements. We are EDQM, ISO 9001, and ISO 13485 certified, and our team is dedicated to continuously improve our quality management system. Our quality control department also offers a wide variety of relevant biological, molecular and biochemical assays as a service. We have certified manufacturing facilities in Germany and Australia, which makes us an ideal global partner with validated storage and delivery logistics world-wide.



We are EDQM, ISO 9001, and ISO 13485 certified

Our quality promise

Products manufactured by Serana utilize stringent operating and quality control procedures. Detailed production and traceability records are available for every batch produced. A battery of QC tests are performed including: physical and chemical analysis, protein profiling, sterility, virology, biochemistry and cell culture performance benchmarking. Only batches that pass Serana's rigorous quality control procedures are released for sale. Detailed certificates of analysis are prepared and made available for each lot produced.

ANIMAL BLOOD BY-PRODUCTS

HUMAN BLOOD BY-PRODUCTS

CLASSICAL MEDIA

CELL CULTURE SUPPLEMENTS, BUFFERS AND REAGENTS

DIAGNOSTIC PRODUCTS

CONTRACT SERVICES



SERANA EUROPE GMBH

Dorfstraße 17A
14641 Pessin
Brandenburg
Germany

CONTACT
Telephone
Website

Sales support
Customer support
Quality

+49 (0)332 3785 9253
serana-europe.com

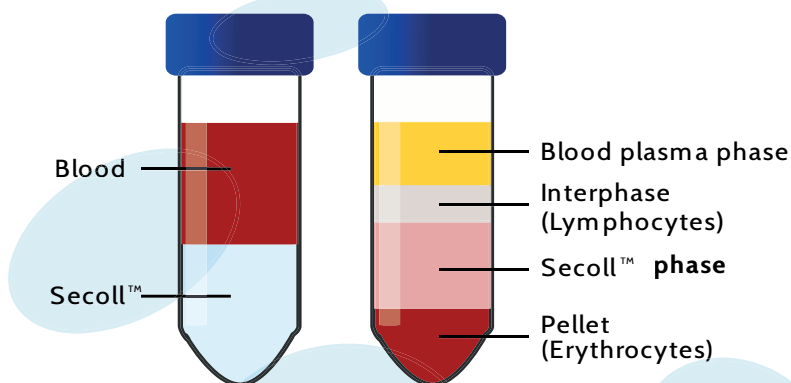
orders@serana-europe.com
info@serana-europe.com
QA@serana-europe.com



Secoll™ Lymphocyte Separation Solution

DENSITY 1.077 G/ML

Secoll™ Lymphocyte separation solution is made with Polysucrose 400 (PS400). PS400 is a hydrophilic polymer with a molecular weight of 400000 Dalton. It is used for the production of density gradients for the separation of cells and sub-cellular components, which sediment during centrifugation due to gravity.

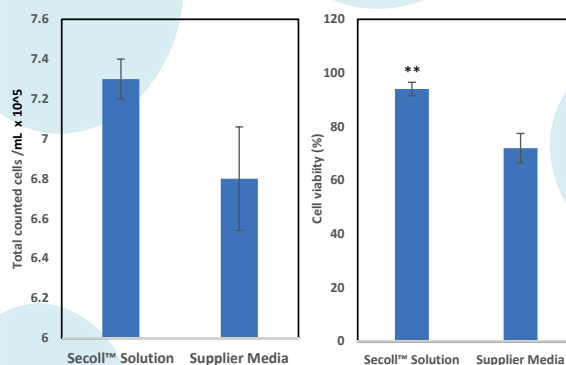


Secoll™ Lymphocyte Separation Solution

| | |
|-----------------------|------------------------|
| Filtration, Treatment | 0.1µm sterile filtered |
|-----------------------|------------------------|

QC Specifications

| Physical and Chemical Analysis | Method | Specifications | Units |
|--------------------------------|-------------------------|----------------|--------------|
| pH at RT | EP 2.2.3 | 6.0 - 9.0 | n/a |
| Osmolality | EP 2.2.35 | 260 - 340 | mOsm/kg |
| Endotoxin | LAL Kinetic (EP 2.6.14) | <1.0 | EU/ml |
| Density | Mass Balance | 1.076 - 1.078 | g/ml at 20°C |
| Sterility | | | |
| Bacterial, Fungal & Mycoplasma | Internally Validated | Not detected | n/a |



Secoll™ functionality validation on separation of blood lymphocytes.

Left: total counted cells after performing the separation steps as described in the product TDS. Right: Viable isolated lymphocytes. Data represents the average of three independent batches over three technical replicates. One-way ANOVA ($p < 0.01$)



ORDERING INFORMATION

| PRODUCT | OPTIONS | VOLUME | STORAGE | SHELF LIFE | CODE |
|--|--------------------------------------|--------|--------------------------|------------|---------------|
| Secoll™ Lymphocyte Separation Solution | Density 1.077 g/ml, Sterile Filtered | 100 ml | 2 to 25°C in darkness | 3 Years | RLL-001-100ML |
| Secoll™ Lymphocyte Separation Solution | Density 1.077 g/ml, Sterile Filtered | 500 ml | 2 to 25°C in darkness | 3 Years | RLL-001-500ML |
| Secoll™ Lymphocyte Separation Solution | Density 1.077 g/ml, Sterile Filtered | 5L | 2 to 25°C in darkness | 3 Years | RLL-001-5L |

For complete current specifications and other technical information please see the technical data sheet on our website www.serana-europe.com

Should you have any specific product requirements that our stock product offering cannot fulfill;

please don't hesitate to ask if we can tailor-make a product to your specifications.