

# 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 PRODUCTS BY-PRODUCTS

## HUMAN BLOOD PRODUCTS BY-PRODUCTS

## CLASSICAL MEDIA

## CELL CULTURE SUPPLEMENTS, BUFFERS AND REAGENTS

## DIAGNOSTIC PRODUCTS

## CONTRACT SERVICES



## SERANA EUROPE GMBH

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## AmnioGrow™

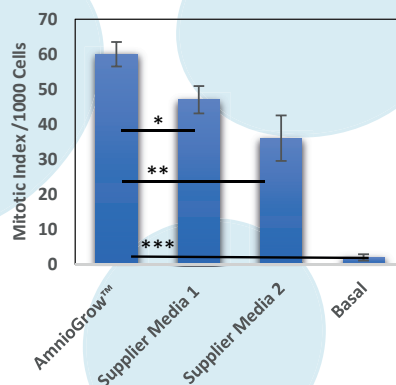
Complete Karyotyping Medium for Amnion and Chorionic Villi Cells

### Advantages

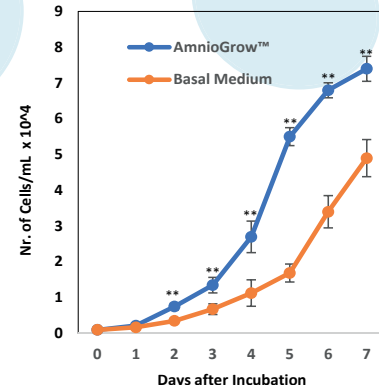
- Optimized superior formulation by Serana R & D team
- Superior chromosomal morphology and higher mitotic index in short time cultivation (Fig. 1)
- Superior growth support of short-term and long-term cultivation (Fig. 2)
- Consistent lot-to-lot performance
- Comprehensive QC specifications (in product TDS)
- Manufactured at Serana ISO 13485-certified facility in Germany

### Convenience

- Complete, ready-to-use medium fully supplemented with FBS, gentamicin, and L-glutamine
- Enhanced buffering capacity to be ideal for amnion and villi cell culture in both open and closed systems
- Detailed available IFU in the product TDS
- Flexible to be ordered in different volume packaging from 50ml to 1000ml per Unit.



**Fig. 1. Superiority of AmnioGrow™ in providing higher Mitotic Index (MI).**  
MI ± SE (0.5 h colcemid incubation time after 6 days culturing). One-way ANOVA with subsequent Tukey HSD post hoc test ( $p < 0.05$ ).



**Fig. 2. Superiority of AmnioGrow™ in providing higher aminocytes growth over eight days of incubation.**  
Secondary aminocytes were cultured in either AmnioGrow™ medium or basal medium supplemented with FBS. One-way ANOVA with subsequent Duncan post hoc test ( $p < 0.01$ ). Error bars represent SE.

### AMNIOGROW

Filtration, Treatment	Sterile Filtered; Contains preselected FBS, L-Glutamine and gentamicin.
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### QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
pH at RT	EP 2.2.3	6.8 - 7.6	n/a
Osmolality	EP 2.2.35	Test and report	mOsm/kg
Endotoxin	LAL Kinetic (EP 2.6.14)	≤ 10.0	EU/ml
Sterility			
Bacterial, Fungal & Mycoplasma	Internally Validated	Not detected	n/a

For the latest technical data and pricing, please refer to the Serana-Europe website.  
[serana-europe.com/products/amg-001-100ml](https://serana-europe.com/products/amg-001-100ml)



## ORDERING INFORMATION

PRODUCT	OPTIONS	VOLUME	STORAGE	SHELF LIFE	CODE
AmnioGrow™	Complete Karyotyping Medium for Amnion and Chorionic Villi Cells	100 ml	-15 to -20°C	2 Years	AMG-001-100ML

For complete current specifications and other technical information please see the technical data sheet on our website [www.serana-europe.com](https://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.**