



# Serum News: FBS / FCS GOLD and GOLD EVO



Our special thanks to innovative researchers, national institutions and the Life Science Cluster Switzerland. Enthusiastic and close cooperation supported us to reach the goal, we proudly present our innovative and outstanding sera.

## FBS / FCS GOLD: The Gold Standard

FBS GOLD is the first defined Fetal Bovine Serum for cell culture. FBS GOLD is produced by chemically separating the proteins, the chromatographic selection of various components allows the reconstitution of a stable and standardized sera. FBS GOLD eliminates the need for extensive and time-consuming batch testing and associated problems.

Batch reservations with FBS GOLD are no longer necessary. FBS GOLD is tested on a great variety of different cell lines such as MRC-5, HeLa, 3T3, Sf9, CHO and Hybridoma as well as primary- and neuronal cells. FBS GOLD has a low IgG content and is suitable for the culture of Hybridoma cells.

- FBS GOLD does not contain any other serum than Fetal Bovine Serum.
- FBS GOLD is not a synthetic product.
- FBS GOLD is subjected to the highest standards of manufacturing and it is competitively priced compared to standard Fetal Bovine Serum



## Advantages of FBS GOLD

- High Quality thanks to the QS System
- Defined Fetal Bovine Serum
- No batch testing necessary
- No batch reservation necessary
- Pretested in many cell systems
- Low endotoxin content Low IgG

GOLD is collected from regulated and monitored abattoirs by technicians who work "on-site" where the fetal blood is aseptically collected. This raw material is transported to the production facility where it undergoes sterilization via filtration through multiple 0.1 micron filters. The care and diligence taken in handling the fetal serum minimizes cell lysis and other detrimental factors thereby reducing possible lysozyme and hemoglobin contamination. This translates into increased performance in the final product. It is superior for Hybridoma cloning. It is supplied sterile, with no detectable mycoplasma or viral infection. Serum is an extremely complex mixture of many small and large biomolecules with different, physiologically balanced growth-promoting and growth-inhibiting activities.

**Sample S 50050 (50/100ml) S 50500 (500ml) S 50000 (1000ml)**



## FBS / FCS GOLD EVO: Evolution of the Sera FBS GOLD

Traditionally, Fetal bovine serum (FBS) has been the principal component in media for the growth and maintenance of cell cultures. However, FBS gives many unpredictable background for the downstream applications. FBS / FCS GOLD EVO is the most innovative Defined FBS in order to reduce FBS unknown factors and „lot-to-lot“ variation, FBS GOLD contains reduced immune complex and additional nutrients to provide easier adaptation, superior cell growth, and enhanced protein productivity.

By developing FBS / FCS GOLD EVO we wanted to create a naturally defined serum with an increased growth promoting property and a higher safety. Therefore, additional growth fortifying compounds have been added to increase cell proliferation. FBS GOLD EVO only contains serum of highest quality from defined countries as specified. In addition, growth promoting and stabilizing compounds (e.g. proteins, salts, sugars, vitamins) have been added to further enhance the stability of the serum as well as the proliferation of many different cell types.

FBS GOLD EVO is good for many downstream applications such as transfection, sub-culturing and other applications required for reduced FBS background.

FBS GOLD EVO is a ready-to-use formulation and does not require additional heat-inactivation.

**Sample S 60050 (50/100ml) S 60500 (500ml) bzw. S 60000 (1000ml)**

## Cell Culture Media

At Seraglob – Serves Cell Culture we guarantee flawless raw materials and production in state-of-the-art facilities. This ensures highest quality for our media.

Water is the most crucial part of liquid media; this is why we use only highly pure water with an endotoxin level < 0,0045 EU/ml that is also used for injection purposes - All ingredients are listed at the pharmacopeia.

Our media stay in quarantine until the last test is passed - that way we are able to guarantee exceptional quality.

Learn more at <http://seraglob.com/media>

