



# CERTIFICATE OF ANALYSIS

**C08001**

**PRODUCT NAME:** Serum Replacement  
Serum substitute for culturing cells

**EXPIRATION DATE:** OCT 2019  
**REF / LOT:** C08001 / 3816001

**COMPOSITION:**

MYCOPLASMA:	<b>NEG</b>
PROTEIN:	<b>3.25 mg/mL</b>
PH:	<b>7.36</b>

## DESCRIPTION:

Serum Replacement is derived from bovine proteins. SR contain bovine growth factors including; **Albumin, Glucose, Globulin, Cholesterol, Urea, EGF, VEGF, TGF-beta1, Calcium** and other proteins. The replacement is then 0.2um sterile filtered. The product is shipped frozen on dry ice. Store at -20°C or greater. (-80°C is preferred for long-term storage)

## Using:

Thaw at 4°C overnight or in a 37°C water bath. After thawing, we recommend you aliquot and store at -80°C. This READY-to USE formulation does not require the addition of Heparin to the final medium concentration. This formulation is designed to be used at the same ratio as traditional Fetal Bovine Serum (FBS).

**Particulate Formation:** Upon thawing, the product may be visually cloudy or have floating debris, similar to FBS. It is most optimal to reduce this possibility by minimizing multiple freeze/thaws, letting serum replacement warm in the 37°C water bath for an extended period of time, or extended storage at 4°C.

Some particulate formation can be reversed with a brief incubation at 37°C. Filtration is not necessary and Serum Replacement performance is not reduced by the appearance of particulates.

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### *Limited Product Warranty*

*This warranty limits our liability to replacement of this product. No other warranties of any kind, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, are provided by StemBo Bioscience, Ltd. StemBo shall have no liability for any direct, indirect, consequential or incidental damages arising out of the use, the results of use, or the inability to use this product.*