



Sertoli Cell Medium
(SerCM)
Catalog #4521

Product Description

Sertoli Cell Medium (SerCM) is a complete medium designed for optimal growth of normal human sertoli cells *in vitro*. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors, trace minerals and a low concentration of fetal bovine serum (5%). The medium is HEPES and bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO₂/95% air. The medium is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced nutritional environment that selectively promotes proliferation and growth of normal human sertoli cells *in vitro*.

Components

SerCM consists of 500 ml of basal medium, 25 ml of fetal bovine serum (FBS, Cat. #0025), 5 ml of Sertoli Cell Growth Supplement (SerCGS, Cat. #4572) and 5 ml of penicillin/streptomycin solution (P/S, Cat. #0503).

Product Use

SerCM is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store the basal medium at 4°C, the SerCGS, the FBS and the P/S solution at -20°C. Protect from light.

Shipping

Dry ice.

Instructions for Use

Thaw SerCGS, FBS and P/S solution at 37°C. Gently tilt the SerCGS tube several times to ensure the contents are completely dissolved before adding to the medium. Rinse the bottle and tubes with 70% ethanol, and wipe to remove excess ethanol. In a sterile field, remove the cap, being careful not to touch the interior threads with fingers. Add SerCGS, FBS and P/S solution to the medium and mix well. Since several components are light-labile, the medium should not be exposed to light for extended periods. We do not recommend warming medium in a 37°C water bath prior to use. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

Caution: If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.