Schwann Cell Medium-phenol red free (SCM-prf)

Catalog #1701-prf

Product Description

Schwann Cell Medium-phenol red free (SCM-prf), when used with Schwann Cell Growth Supplement (SCGS, Cat #1752) and 25 ml of fetal bovine serum (FBS) is a complete medium designed for optimal growth of normal schwann 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 FBS (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% CO_2/95% air. The medium is formulated (quantitatively and qualitatively) to provide an optimally balanced nutritional environment that selectively supports the growth of normal schwann cells *in vitro*.

Components

SCM-prf consists of 500 ml of basal medium, 25 ml of FBS (Cat. #0025), 5 ml of Schwann Cell Growth Supplement (SCGS, Cat. #1752) and 5 ml of penicillin/streptomycin solution (P/S, Cat. #0503). *Note: FBS, SCGS and P/S are not pre-mixed in SCM-prf; they must be added separately to make the complete SCM-prf.*

Product Use

SCM-prf 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 and the SCGS, FBS and P/S solution at -20°C. Protect from light.

Shipping

Basal medium: room temperature. Supplements: dry ice.

Instructions for Use

Thaw SCGS, FBS and P/S solution at 37°C. Gently tilt the tubes several times to ensure the contents are completely mixed before adding to the medium. Spray the medium bottle and tubes with 70% ethanol, and wipe to remove excess liquid. In a sterile field, remove the caps without touching the interior threads with fingers. Add SCGS, 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.