REF: P60157

NEURONAL MEDIUM

Product Type: Neuronal Medium

Catalog Number: P60157

Product Description

Neuronal Medium (NM) is a complete medium designed for optimal growth of normal primary neurons in vitro. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors and trace minerals. The medium is ***serum-free***. It is 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 a defined and optimally balanced nutritional environment that selectively promotes growth of normal primary neurons in vitro.

Components

- 500 ml of Basal Medium
- 5 ml of Neuronal Growth Supplement (NGS).
- 5 ml of penicillin/streptomycin solution (P/S solution)

Prepare for use

Thaw NGS and P/S solution at 37ºC. Gently tilt the NGS tube several times during thawing to help the contents dissolve. **Make sure the contents of the supplement are completely dissolved into solution before adding to the medium**. Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add NGS and P/S solution into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of this medium are light-labile, it is recommended that the medium not be exposed to light for lengthy periods of time. If the medium is warmed prior to use, do not exceed 37ºC. When stored in the dark at 4ºC, the reconstituted medium is stable for one month.

Product Use

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in vitro diagnostic or clinical procedure.

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