

## ENStem-A™ Neuronal Differentiation Medium For ENStem-A™ Human Neural Progenitors

**CATALOG NUMBER:** SCM017

**LOT NUMBER:**

**QUANTITY:** 100 mL

**DESCRIPTION:** ENStem-A™ Neuronal Differentiation Medium is a specially formulated medium optimized for the preferential differentiation of ENStem-A™ human neural progenitor cells to a neuronal lineage. The medium has been extensively validated on ENStem-A™ Human Neural Progenitor Cells. Using ENStem-A™ Neuronal Differentiation Medium, relatively pure populations of neuronal cells (>90%  $\beta$ III-tubulin positive) are obtained. Very low levels of astrocytes (<0.5% GFAP) are detected. Sufficient medium is supplied to provide for 100 separate reactions at 1 mL volume or 10 reactions at 10 mL volume.

**QUALITY CONTROL:** Each lot of media is tested for the optimal differentiation of ENStem-A™ Human Neural Progenitor Cells to a neuronal lineage.  
Sterility Testing: Negative

### MATERIALS REQUIRED BUT NOT SUPPLIED:

- L-Glutamine (Cat. No. TMS-002-C)
- ENStem-A™ Human Neural Progenitor Expansion Kit (Cat. No. SCR055)
- ENStem-A™ Neural Expansion Medium (Cat. No. SCM004)
- ENStem-A™ Neural Freezing Medium (Cat. No. SCM011)
- Human Neural Stem Cell Characterization Kit (Cat. No. SCR060)
- Poly-L-ornithine (Sigma Part No. P3655)
- Laminin (Cat. No. CC095)
- Penicillin/Streptomycin Solution (Cat. No. TMS-AB2-C)
- Accutase™ (Cat. No. SCR005)
- Chamber slides
- Tissue culture-ware
- Phosphate-Buffered Saline (1X PBS) (Cat. No. BSS-1005-B)
- Hemocytometer
- Microscope

### STORAGE/HANDLING:

ENStem-A™ Neuronal Differentiation Medium should be stored at -20°C until ready to use. Upon thawing, fresh L-Glutamine (not provided) should be added for a final concentration of 2 mM to the medium. Thawed medium should be stored at 2-8°C and given a 1-month expiration dating. Dispense into aliquots to avoid repeated heating prior to each use.

### PROTOCOLS:

Cell culture protocols for use with ENStem-A™ Human Neural Progenitor Cells are available in the datasheets that accompany the ENStem-A™ Human Neural Progenitor Expansion Kit (Part No. SCR055).



**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC  
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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