



ENStem-A™ Neural Expansion Medium

For ENStem-A™ Human Neural Progenitors

CATALOG NUMBER: SCM004

LOT NUMBER:

QUANTITY: The following components are included:
500 mL of ENStem-A™ Neural Expansion Medium (Part No. SCM004a)
10 µg FGF-2, lyophilized (Part No. GF003-10UG)

DESCRIPTION: ENStem-A™ Neural Expansion Medium is a defined serum-free formulation that has been optimized for the culture and expansion of ENStem-A™ Human Neural Progenitor Cells. When used in conjunction with L-Glutamine (not provided) and FGF-2 (provided), the expansion medium will allow for the maintenance and proliferation of ENStem-A™ Human Neural Progenitor Cells.

COMPOSITION: ENStem-A™ Neural Expansion Medium contains neurobasal medium, B27 supplement and LIF

QUALITY CONTROL: Each lot of medium is tested for the optimal cell growth and proliferation of ENStem-A™ Human Neural Progenitor Cells.
Sterility Testing: Negative

MATERIAL REQUIRED BUT NOT SUPPLIED:

- L-Glutamine (Cat. No. TMS-002-C)
- ENStem-A™ Human Neural Progenitor Expansion Kit (Cat. No. SCR055)
- ENStem-A™ Neural Freezing Medium (Cat. No. SCM011)
- ENStem-A™ Neuronal Differentiation Medium (Cat. No. SCM017)
- Poly-L-ornithine hydrobromide (Sigma Part No. P3655)
- Mouse Laminin (Sigma Part No. L-2020)
- Penicillin/Streptomycin Solution (Cat. No. TMS-AB2-C)
- Accutase™ (Cat. No. SCR005)
- Phosphate-Buffered Saline (1X PBS) (Cat. No. BSS-1005-B)
- Tissue culture-ware
- Hemacytometer
- Microscope

STORAGE/HANDLING:

ENStem-A™ Neural Expansion 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 expansion 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.

FGF-2 (10 µg, lyophilized) should be reconstituted with 5 mM Tris-HCL, pH 7.6 for a final concentration of 100 µg/mL. Dispense into aliquots to avoid repeated freeze-thaw. Store at -20°C.



PROTOCOLS: Cell culture protocols for use with ENStem-A™ Human Neural Progenitor Cells are available in the datasheet that accompanies the ENStem-A™ Human Neural Progenitor Expansion Kit (Cat. 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 μ 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

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