

NeuroCult™ Differentiation Supplement (Mouse)

Supplement for differentiation of mouse neural stem and progenitor cells

Catalog # 05703

50 mL



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Product Description

The NeuroCult™ Differentiation Supplement (Mouse) is optimized to support the in vitro differentiation of mouse neural stem cells into astrocytes, neurons, and oligodendrocytes when used in combination with NeuroCult™ Basal Medium (Mouse; Catalog #05700).

Properties

Storage: Store at -20°C.
Shelf Life: Stable until expiry date (EXP) on label.
Contains: • Serum

This product contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

Handling / Directions For Use

PREPARATION OF COMPLETE NEUROCULT™ DIFFERENTIATION MEDIUM (MOUSE)

Use sterile techniques when preparing complete NeuroCult™ Differentiation Medium (NeuroCult™ Basal Medium + NeuroCult™ Differentiation Supplement). The following example is for preparing 500 mL of complete NeuroCult™ Differentiation Medium (Mouse). If preparing other volumes, adjust accordingly.

1. Thaw NeuroCult™ Differentiation Supplement (Mouse) at 37°C. Mix well.
NOTE: A white precipitate may form after storage at -20°C. The precipitate will disappear after complete thawing at 37°C and mixing the contents.
NOTE: Once thawed, use supplement immediately or aliquot and store at -20°C. Do not exceed the shelf life of the the supplement. After thawing the aliquots, use immediately. Do not re-freeze.
2. Add 50 mL of NeuroCult™ Differentiation Supplement (Mouse) to 450 mL of NeuroCult™ Basal Medium (Mouse; Catalog #05700).
NOTE: If not used immediately, store complete NeuroCult™ Differentiation Medium (Mouse) at 2 - 8°C for up to 1 month. Do not exceed the shelf life of the individual components.

For complete instructions on differentiating mouse neural stem and progenitor cells with NeuroCult™ Differentiation Supplement (Mouse), please refer to the Technical Manual: In Vitro Proliferation and Differentiation of Mouse Neural Stem Cells and Progenitor Cells Using NeuroCult™ (Document #28704), available at www.stemcell.com or contact us to request a copy.

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