

NeuroCult™ Differentiation Supplement (Mouse & Rat)

Supplement for differentiation of mouse and rat neural stem and progenitor cells

Catalog # 05703 50 mL



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

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Product Description

NeuroCult™ Differentiation Supplement (Mouse & Rat) is a standardized, serum-containing supplement for the differentiation of mouse and rat neural stem and progenitor cells into astrocytes, neurons, and oligodendrocytes when used in combination with NeuroCult™ Basal Medium (Mouse & Rat; Catalog #05700). This supplement is also a component of NeuroCult™ Differentiation Kit (Mouse & Rat; Catalog #05704).

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

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. If preparing other volumes, adjust accordingly.

1. Thaw NeuroCult™ Differentiation Supplement (Mouse & Rat) 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 thoroughly.
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 & Rat) to 450 mL of NeuroCult™ Basal Medium (Mouse & Rat; Catalog #05700).
NOTE: If not used immediately, store Complete NeuroCult™ Differentiation Medium 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 and rat neural stem and progenitor cells with NeuroCult™ Differentiation Supplement (Mouse & Rat), refer to the Technical Manual: In Vitro Proliferation and Differentiation of Mouse and Rat Neural Stem and Progenitor Cells Using NeuroCult™ (Document #28704), available at www.stemcell.com or contact us to request a copy.

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