

NeuroCult™ Basal Medium (Mouse & Rat)



Basal medium for culture of mouse and rat neural stem and progenitor cells

Catalog # 05700 450 mL

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Product Description

NeuroCult™ Basal Medium (Mouse & Rat) is a standardized serum-free basal medium designed to be supplemented with NeuroCult™ Proliferation Supplement (Mouse & Rat; Catalog #05701) and appropriate cytokines for the in vitro culture and expansion of mouse and rat neural stem and progenitor cells. NeuroCult™ Basal Medium (Mouse & Rat) can also be supplemented with NeuroCult™ Differentiation Supplement (Mouse & Rat; Catalog #05703) for the differentiation of mouse and rat neural stem and progenitor cells into neurons, astrocytes, and oligodendrocytes. NeuroCult™ Basal Medium (Mouse & Rat) is a component of NeuroCult™ Proliferation Kit (Mouse & Rat; Catalog #05702) and NeuroCult™ Differentiation Kit (Mouse & Rat; Catalog #05704).

NOTE: When preparing Complete NeuroCult™ Proliferation Medium, addition of Human Recombinant EGF (Catalog #78006.1) is required. When culturing cells obtained from adult mouse or rat, Human Recombinant bFGF (Catalog #78003.1) and Heparin Solution (Catalog #07980) are also required.

Properties

Storage: Store at 2 - 8°C.

Shelf Life: Stable until expiry date (EXP) on label.

Handling / Directions For Use

NeuroCult™ Basal Medium (Mouse & Rat) must be used with supplements and cytokines suitable for the desired cell culture application: NeuroCult™ Proliferation Supplement (Mouse & Rat; Catalog #05701) and desired cytokines, or NeuroCult™ Differentiation Supplement (Mouse & Rat; Catalog #05703).

NOTE: This product does not contain antibiotics. If desired, add penicillin and streptomycin and use medium within 1 week.

For instructions on culturing mouse and rat neural stem and progenitor cells with NeuroCult™ Basal Medium (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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