

0.2% Heparin Sodium Salt in PBS



Cell Culture Supplement

Catalog # 07980 2 mL

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Product Description

Heparin is a mucopolysaccharide with anticoagulant properties. Heparin supports the binding of Fibroblast Growth Factor (FGF) to its receptor and increases the stability of FGF. Heparin is used together with Epidermal Growth Factor (EGF) and FGF in the culture of embryonic rat or adult human neural stem and progenitor cells, and adult mouse neural stem and progenitor cells. Heparin and FGF are not required for embryonic mouse neural stem and progenitor cell culture.

Properties

Storage: Store at 2 - 8°C.
Shelf Life: Stable until expiry date (EXP) on label.
Contains: 0.2% (2 mg/mL; 1000 IU/mL) heparin sodium salt in phosphate-buffered saline (PBS)

Handling / Directions For Use

Use 0.2% Heparin Sodium Salt in PBS with the NeuroCult™ NS-A Proliferation Kits (Human; Catalog #05751 and Rat; Catalog #05771) for the growth and expansion of neural stem and progenitor cells. This product is added to the culture medium together with recombinant human Basic Fibroblast Growth Factor (rh bFGF; Catalog #02634). Add 10 µL of 0.2% Heparin Sodium Salt in PBS to 10 mL of medium to achieve a final concentration of 2 µg/mL (0.0002%).

For complete instructions refer to the Technical Manual: In Vitro Proliferation and Differentiation of Neural Stem and Progenitor Cells Using NeuroCult™ (Human; Document #28724 or Rat; Document #28725), available on our website at www.stemcell.com or contact us to request a copy.

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