

Heparin Solution

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 Heparin Solution with 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 human recombinant basic fibroblast growth factor (Human Recombinant bFGF; Catalog #78003) and human recombinant epidermal growth factor (Human Recombinant EGF; Catalog #78006). Add 10 µL of Heparin Solution 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 at www.stemcell.com or contact us to request a copy.

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