Fibronectin

For coating tissue cultureware to promote cell adherence

Catalog #07159 1 mg

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Product Description

Fibronectin is used as a coating agent for coverslips and can also be used with DMEM/F-12 with 15 mM HEPES (Catalog #36254) and ITS Supplement-A (Catalog #07151) or ITS Supplement-B (Catalog #07155) to improve the yield of neural cells during the final stages of mouse embryonic stem cell in vitro differentiation into neural cell types.

Properties

Storage: Store at 2 - 8°C. Do not freeze.

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

Directions for Use

NOTE: Fibronectin is not stable at room temperature (15 - 25°C). Avoid vortexing or excessive agitation.

Add Fibronectin to DMEM/F-12 with 15 mM HEPES containing ITS Supplement-A or ITS Supplement-B at a final concentration of 5 µg/mL (a 1 in 200 dilution of the 1 mg/mL solution).

To coat coverslips with Fibronectin, prepare a 1 µg/mL solution by diluting 1 in 1000 from the 1 mg/mL solution. Once diluted, store at 2 - 8°C for up to 1 week.

For more information on protocols, contact us at techsupport@stemcell.com.

References

Lee S-HH et al. (2000) Efficient generation of midbrain and hindbrain neurons from mouse embryonic stem cells. Nat Biotechnol 18(6): 675–9.