

**FIBRONECTIN**

**Catalog # 07159**

**1 mg per tube**

**PRODUCT DESCRIPTION:**

Fibronectin from bovine plasma, 0.1% solution  
1 mg protein per mL in 0.5M NaCl, 0.05M Tris, pH 7.5

Handle as if capable of transmitting infectious agents.

This product is for use with the ES-Cult™ Basal Medium-A and ITS Supplement-A or ITS Supplement-B. It is used to improve the yield of neural cells during the final stages of ES *in vitro* differentiation into neural cell types.

This product is used as a coating agent for coverslips to encourage neural cell attachment and growth.

This product has been pre-screened for use with other reagents of the ES-Cult™ product line for optimal performance for the *in vitro* neural differentiation of murine ES cells.

**STABILITY/ STORAGE:**

Undiluted product should be stable for at least one year if stored at 2-8°C. Once diluted, it should be used within one week.

Product is not stable at room temperature. Avoid vortexing or excessive agitation.

**DIRECTIONS FOR USE:**

Fibronectin is added to the ES-Cult™ Basal Medium-A containing ITS Supplement-A or ITS Supplement-B at a final concentration of 5 µg/mL (a 1 in 200 dilution of the 1mg/mL solution).

To coat coverslips with fibronectin, prepare a 1µg/mL solution by diluting 1 in 1000 from the stock solution. For more information on protocols, refer to our website at [www.stemcell.com](http://www.stemcell.com).

**THIS REAGENT IS FOR LABORATORY USE ONLY.  
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

**REFERENCES:**

1. Lee SH, Lumelsky N, Studer L, Auerbach JM, and McKay RD. Efficient generation of midbrain neurons from mouse embryonic stem cells. *Nature Biotech.* 2000;**18**:675.