

ITS Supplement-A

For neural and pancreatic differentiation of mouse ES and iPS cells

Catalog # 07151

5 mL



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

ITS Supplement-A is a media supplement containing insulin, transferrin, and selenium in phosphate-buffered saline (PBS). It is recommended for use in the in vitro differentiation of mouse embryonic stem (ES) cells and mouse induced pluripotent stem (iPS) cells to neural and pancreatic-like cell types.

Properties

Storage: Store at 2 - 8°C.

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

This product contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

Handling / Directions For Use

ITS Supplement-A is supplied as a 100X stock and should be added to ES-Cult™ Basal Medium-A (Catalog #05801) at a 1:100 (v/v) dilution (i.e. 5 mL ITS Supplement-A in 500 mL ES-Cult™ Basal Medium-A).

NOTE: Once ITS Supplement-A is added to ES-Cult™ Basal Medium-A, the medium is stable at 2 - 8°C for up to 2 weeks.

References

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

Lumelsky N et al. (2001) Differentiation of embryonic stem cells to insulin-secreting structures similar to pancreatic islets. *Science* 292(5520): 1389–94.

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