

ITS Supplement-B

For neural differentiation of mouse ES and iPS cells

Catalog # 07155

5 mL



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Product Description

ITS Supplement-B is a medium 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 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-B is supplied as a 100X stock solution 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-B in 500 mL ES-Cult™ Basal Medium-A).

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

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.

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