

STEMdiff™ Neural Rosette Selection Reagent

Enzyme-free reagent for the selective detachment of neural rosettes

Catalog # 05832

100 mL



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Product Description

STEMdiff™ Neural Rosette Selection Reagent is an enzyme-free reagent for the selective detachment of neural rosette clusters from adherent neural aggregates previously generated from human embryonic stem (ES) cells and induced pluripotent stem (iPS) cells using STEMdiff™ Neural Induction Medium (Catalog #05835), without manual scraping. Collecting and re-plating rosette clusters after incubation with the STEMdiff™ Neural Rosette Selection Reagent will yield highly pure populations of neural progenitor cells (NPCs), which can be further sub-cultured as single cells.

Properties

Storage: Store at 15 - 25°C.

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

Handling / Directions For Use

For complete instructions on induction of neural differentiation using STEMdiff™ Neural Induction Medium and STEMdiff™ Neural Rosette Selection Reagent, refer to the Technical Manual: Generation of Neural Progenitor Cells from hPSCs using STEMdiff™ Neural Induction Medium (Document #28782), available on our website at www.stemcell.com or contact us to request a copy.

References

Curchoe CL et al. (2010) Early acquisition of neural crest competence during hESCs neuralization. PLoS One 5(11): e13890.

Elkabetz Y et al. (2008) Human ES cell-derived neural rosettes reveal a functionally distinct early neural stem cell stage. Genes Dev 22(2): 152–65.

Zhang SC et al. (2001) In vitro differentiation of transplantable neural precursors from human embryonic stem cells. Nat Biotechnol 19(12): 1129–33.

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