NEUROMICS

A Division of CA3 Biosciences, Inc.

NeuroProgenitor Medium

Catalog #: NM42400
Storage: Store at 2-8°C away from light

General Information

NeuroProgenitor Media is media specifically developed to promote the growth of Neuroprogeitor cells derived from induced pluripotent cells (iPSCs). The medium is serum, xeno, and albumin free. This media used alone cannot differentiate neuroprogenitor cells; differentiation can be achieved using additional small molecules and growth factors as well as a differentiation protocol.

Handling/Safety Information

Wear appropriate protective eyewear, clothes and gloves.

CULTURE PROTOCOL FOR NEUROPROGENITORS USING NEUROPROGENITOR MEDIA:

1. Prepare a Vitronectin (Gibco A14700) coated 35mm plate with a final concentration of 0.5ug/cm2-1.0ug/cm2.
2. Rapidly thaw (<2 minute) frozen vial of NP-cells in a 37°C water bath. Remove vial from water bath just before the last trace of ice has melted. Spray vial with 70% ethanol to prevent contamination in tissue culture hood.
3. Thaw cells in 37°C water bath with agitation.
4. Wash once with 5 mLs NeuroProgenitor Medium
5. Pellet at 1000 rpm for 2 mins at room temp.
6. Resuspend cells in 2 mLs NeuroProgenitor and add to Vitronectin coated plate (created in step 1).
7. Place cells in 37°C incubator at 5% CO2, replacing half of media every day until confluent (typically 2-3 days).

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