



Applied StemCell

PRODUCT DATA SHEET

iPSC-Derived Neural Progenitor Cells (NPC) With Media

(derived from Normal, Male, iPSC line)

Catalog No. ASE-9740 RUO • Rev. 1 | August 2026

Product Overview

Applied StemCell has developed an efficient integration-free method to differentiate high-quality neural progenitor cells (NPCs) from human iPSCs. The differentiated NPCs recapitulate the phenotype and functional parameters of primary and in vivo neural progenitor cells. We provide NPCs differentiated from an integration-free, control human iPSC line (ASE-9211). These high-purity ($\geq 95\%$) cells express high levels of the NPC biomarker Nestin. To harness the full potential of our neural progenitor cells, we also provide optimized NPC Culture Media (ASE-9740MM) that supports robust maintenance and functionality of the NPCs in culture.

Key Features & Benefits

Feature	Benefit
Ready-to-use format	Reduces differentiation setup time and supports faster experimental starts.
High purity ($\geq 95\%$)	Supports consistent, interpretable assay performance.
Defined donor background	Enables traceable use in disease modeling and comparative studies.
Lot-release testing	Provides documented identity and quality for each released lot.
Matched culture reagents	Supports recovery, maintenance, and reproducible cell performance.

Product Specifications

Product Type	RUO
Cell Type	Human iPSC-derived neural progenitor cells
Parental Line / Background	ASE-9211 iPSCs-derived from dermal fibroblasts (African-American, Male Line)
Genetic Background	No engineered edits specified in source documentation.
Integration System	Not applicable for this iPSC or iPSC-derived cell product.
Payload Capacity	Not applicable.
Format / Quantity	Cryopreserved cell kit $\geq 1.0 \times 10^6$ cells/vial
Storage	Cells: liquid nitrogen; media/ supplements: as labeled (Liq. Nz, -20°C).
Shelf Life	12 months when stored as directed.

Applications

- Neural differentiation studies
- Neurodevelopmental disease modeling
- Neurotoxicity assessment
- Drug discovery and screening

Quality Control Summary

Each lot is released against the following quality criteria. Lot-specific results are provided on the accompanying Certificate of Analysis (CoA).

- Post-thaw viability and recovery/growth
- Cell purity: $\geq 95\%$
- Cell-type-specific marker expression
- Absence of bacterial, fungal, and mycoplasma contamination

Supporting Data

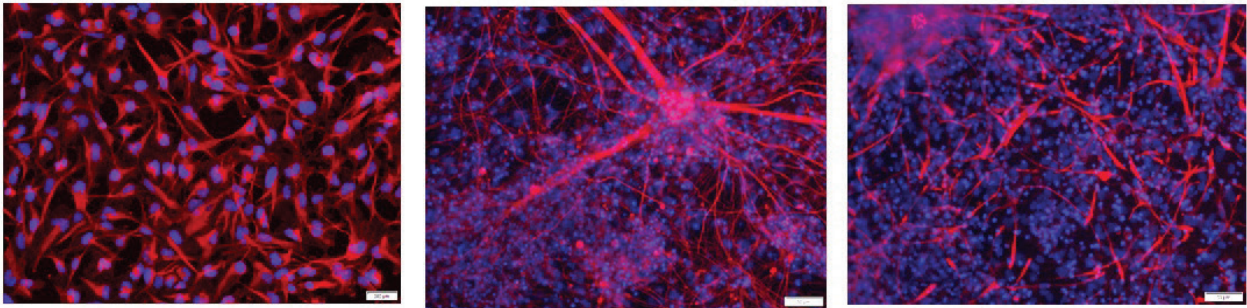


Figure 1. Immunostaining of the ASE-9740 Neural Progenitor Cells derived from Applied StemCell's control iPSC line ASE-9211. The neural progenitor cells (NPCs) (Left, Red: Nestin; Blue: DAPI) can be further differentiated into neurons (Middle, Red: TuJ1; Blue: DAPI) and astrocytes (Right, Red: GFAP; Blue: DAPI).

Kit Components

Item	Component	Format	Quantity
ASE-9740-C	iPSC-derived neural progenitor cells, African-American male line	Cells	1×10^6 cells/vial
ASE-9740MM	NPC Culture Media	Media	100 mL

Ordering Information

Catalog No.	ASE-9740
Description	Human Neural Progenitor Cell Kit (Normal, Male, iPSC-derived))
Format	Kit
Pack Size	1 each

Related Products

- Contact Applied StemCell for compatible media and related cell models.

Contact & Ordering

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