Applied StemCell

PRODUCT DATA SHEET

Human iPSCs from Dermal Fibroblasts

(Normal, Male, Caucasian, Neonate)

Catalog No. ASE-9216 RUO • Rev. 1 I August 2026

Product Overview

Control Human Induced Pluripotent Stem cells (iPSCs) at low passage (p8) provided by Applied StemCell Inc. This iPSC line was generated from normal Human Dermal Fibroblasts (HDFs) using a Sendai virus method. This method allows the expression of human transcription factors (Oct-4, Sox-2, KLF4, and c-MYC) that initiate the reprogramming process. The resulting induced pluripotent cells were selected using morphological criteria without the use of either fluorescent markers or drug selection.

Key Features & Benefits

Feature	Benefit
Ready-to-use format	Reduces differentiation setup time and supports faster experimental starts.
Characterized cell identity	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 cells passage 8; Sendai virus reprogrammed
Parental Line / Background	Normal neonatal Caucasian male; human dermal fibroblast (HDF)
Format	Cryopreserved cells.
Quantity	1 x 10^6 cells/ vial
Storage	Store in a liquid nitrogen freezer immediately upon receipt.
Shelf Life	Stable for 6 months from arrival; reassess pluripotency and differentiation potential every 6 months.

Applications

- CRISPR-Cas9 genome editing
- Differentiation into somatic lineages in vitro
- Cell biology and disease-model research
- Assay development, 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).

- Normal male karyotype
- Pluripotency markers: Oct4, Sox2, and Tra-1-81
- Teratoma formation demonstrating differentiation into all three germ layers

Supporting Data

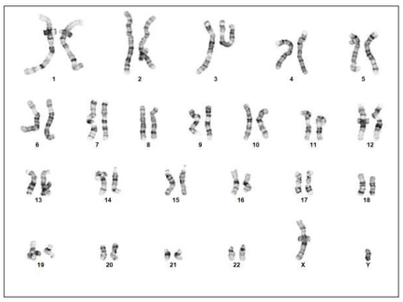


Figure 1. Passage 6 karyotype: 18 of 20 cells showed an apparently normal male karyotype; two non-clonal aberrations were considered likely culture artifacts.

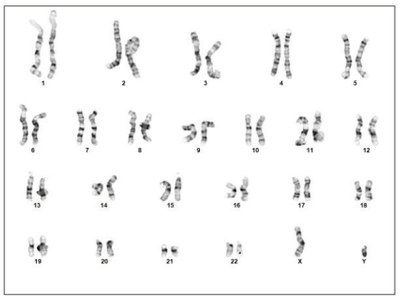


Figure 2. Passage 15 karyotype: all 20 G-banded metaphase cells showed an apparently normal male karyotype.

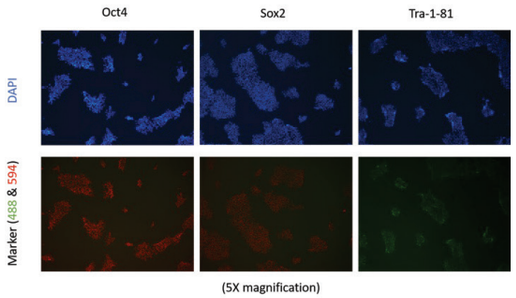


Figure 3. ASE-9216 iPSCs (passage 9) express Oct4, Sox2, and Tra-1-81; corresponding DAPI staining is shown for each (5X)..

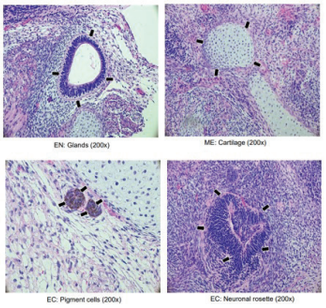


Figure 4. Teratoma histology shows differentiated tissues representing endoderm (EN), mesoderm (ME), and ectoderm (ED), supporting pluripotency.

Ordering Information

Catalog No.	ASE-9216
Description	Human iPSCs (from Normal, Male, HDFs)
Format	Cells
Pack Size	1.0 × 10^6 cells/vial

Related Products

- ASE-9211 – Control human iPSC line (African-American male)
- Contact Applied StemCell for compatible media and related cell models.

Contact & Ordering

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Scan the QR code or visit our website to explore product details, access technical resources, discover related TARGATT™ solutions, and request a consultation with our scientific team.

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