



Applied StemCell

PRODUCT DATA SHEET

Human iPSCs From Fibroblasts

(Normal, Male, African American, Neonate, NIST Line)

Catalog No. ASE-9211 RUO • Rev. 1 | August 2026

Product Overview

Control Human Induced Pluripotent Stem cells (iPSCs) at low passage (p17) provided by Applied StemCell Inc. This iPSC line was generated from normal Human Skin Fibroblasts (HSFs) using an episomal reprogramming 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.
Marker-confirmed phenotype	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
Parental Line / Background	Fibroblasts (Normal, Male, African American, Neonate)
Format	Cryopreserved cells.
Quantity	1 x 10 ⁶ cells/ vial
Storage	Store components as labeled.
Shelf Life	See lot-specific CoA / component labeling.

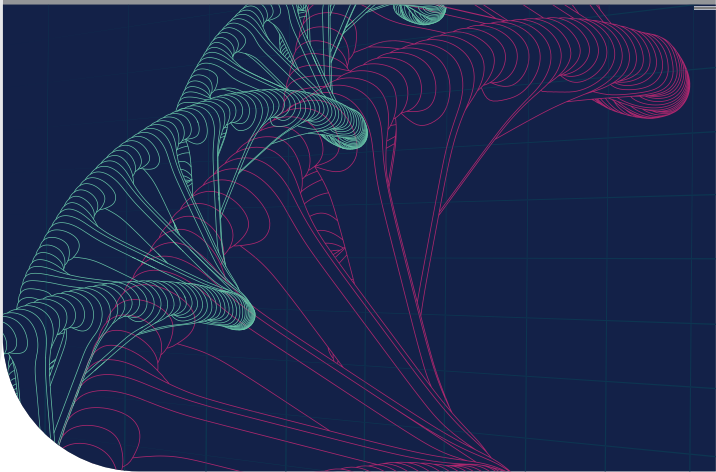
Applications

- Cell biology research
- Disease modeling
- 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).

- Post-thaw viability and recovery/growth
- Phenotype / identity markers:
 - Oct-4, Sox-2, SSEA-4, TRA-1-60, TRA-1-81
- Karyotype
- Mycoplasma and microbial/pathogen testing
- Post-thaw viability



Supporting Data

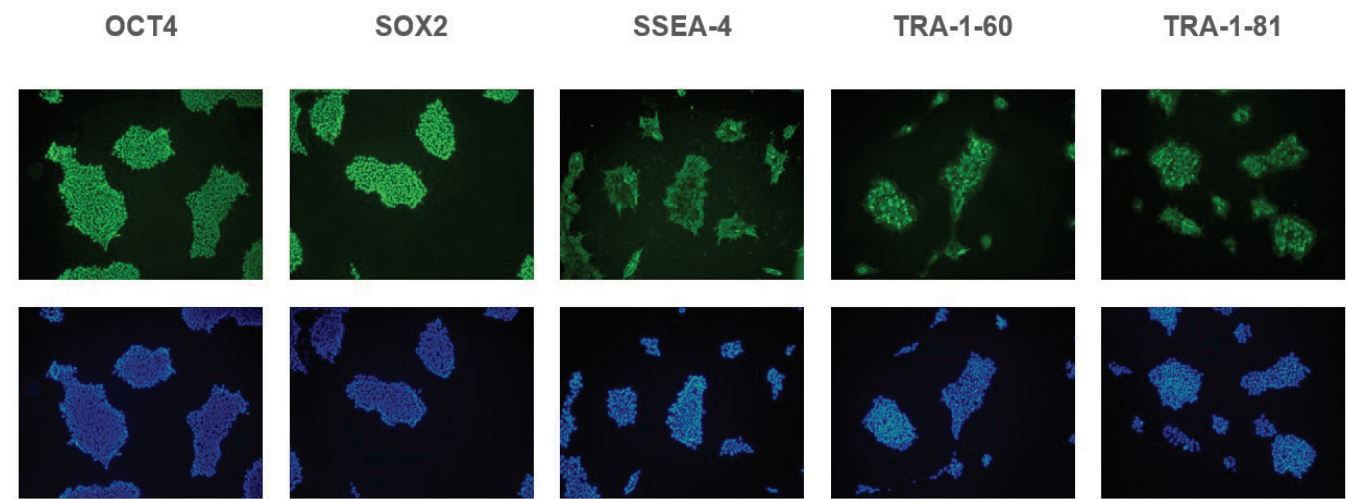


Figure 1. Expression of pluripotency markers. ASC 9211 iPSC cell line expresses common iPSC biomarkers (top row: OCT-4, SOX2, SSEA-4, TRA-1-60, and TRA-1-81). Bottom row: Corresponding DAPI nuclear staining. All images were taken at 10x magnification.

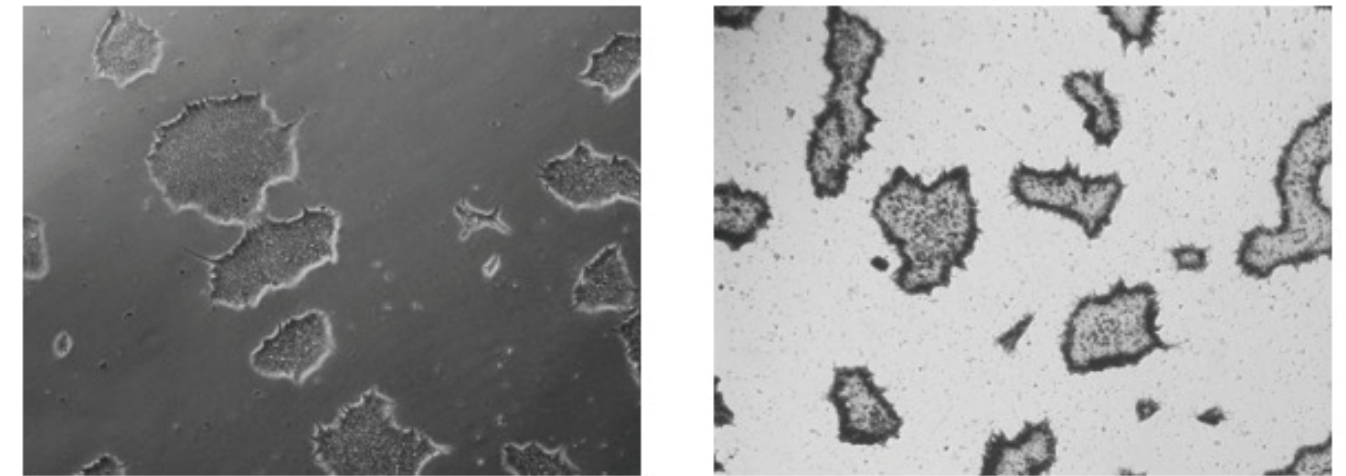


Figure 2. Alkaline Phosphatase (AP) staining. ASE-9211 iPSCs stain positive for Alkaline Phosphatase. A typical unstained colony (a) was used to gauge the extent of AP staining (b). Both images were taken at 5x magnification.

Supporting Data

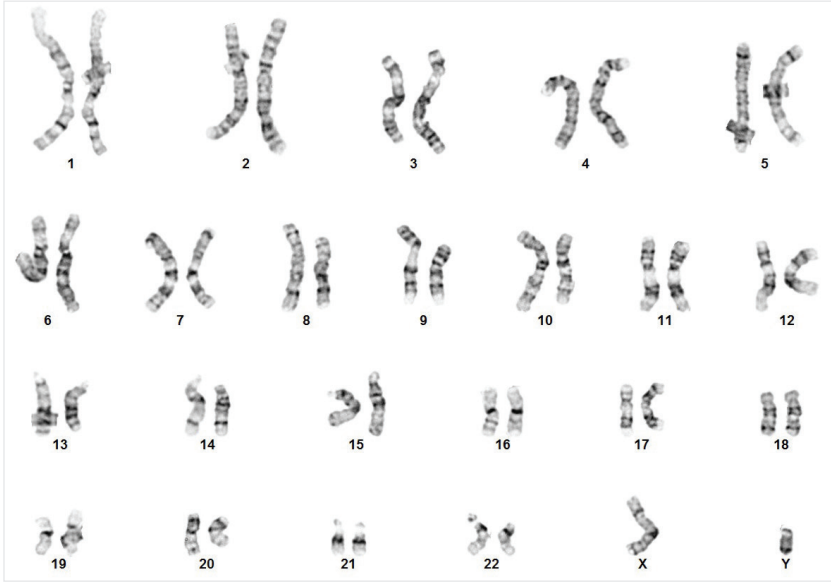
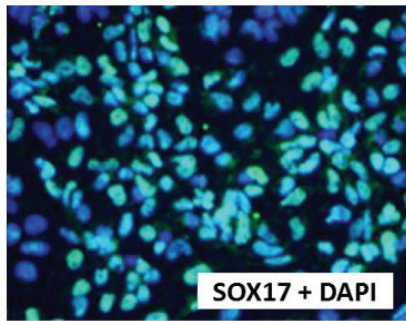
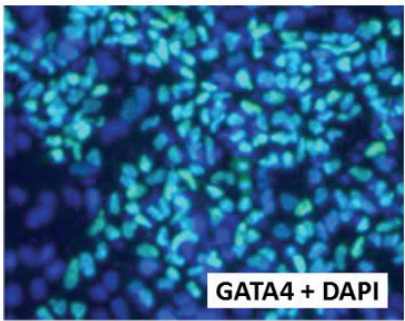


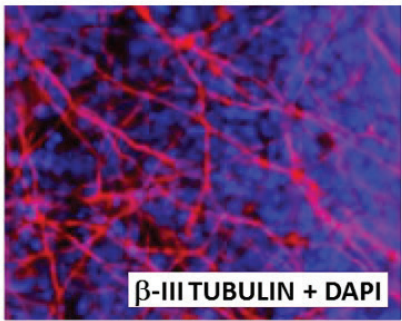
Figure 3. Karyotype analysis. This iPSC line demonstrates a normal male karyotype. Cytogenetic analysis was performed on twenty G-banded metaphase cells from ASE-9211 at passage 15. Nineteen cells demonstrated an apparently normal male karyotype; one cell demonstrated a non-clonal chromosome aberration considered most likely an artifact of culture.



EN: Duct (200x)



ME: Cartilage (200x)



EC: Pigment Cells (200x)

Figure 4. Directed differentiation of ASE-9211 p18 to three germ layers. Immunofluorescent staining confirmed lineage commitment using endoderm (EN) marker SOX17 (green), mesoderm (ME) marker GATA4 (green), and ectoderm (EC) marker β-III tubulin (red). Cells were co-stained with DAPI nuclear marker (blue).

Ordering Information

Catalog No.	ASE-9211
Description	Human iPSCs (from Normal, Male, HSF)
Format	Cells
Pack Size	1.0 × 10 ⁶ cells/vial

Related Products

- ASE-9285-1: iPSC-Derived Human NK Cell Kit
- AST-9450: TARGATT™ RUO hiPSC Knock-in Kit
- Contact Applied StemCell for compatible media and related cell models.

Contact & Ordering

 appliedstemcell.com
 info@appliedstemcell.com
 +1 866.497.4180

Ready to accelerate your genome engineering project?

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.

