Applied StemCell

PRODUCT DATA SHEET

Human iPSCs From PBMC

(Normal, Male, Caucasian, Adult)

Catalog No. ASE-9215 RUO • Rev. 1 I August 2026

Product Overview

Control Human Induced Pluripotent Stem cells (iPSCs) at low passage (p15) provided by Applied StemCell Inc. This iPSC line was generated from normal Peripheral Blood Mononuclear Cells (PBMCs) 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.
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	PBMCs (Normal, Caucasian, Adult, Male)
Format	Cryopreserved cells.
Quantity	1×10^6 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

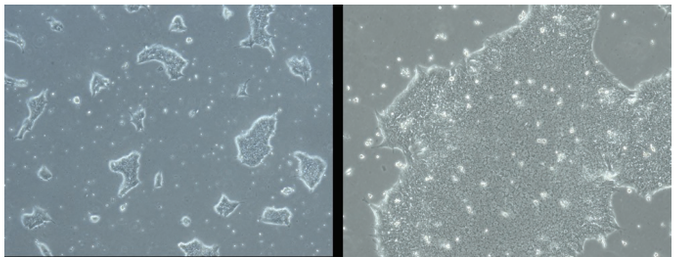


Figure 1. Morphology images of the ASE-9215 iPSC line captured 24 hours and 72 hours post thaw. The control human iPSCs were generated from normal Peripheral Blood Mononuclear Cells (PBMC) using a Sendai virus method. Feeder-free reprogramming media was used. The image on the left was taken 24 hours after thawing and the image on the right was captured 72 hours after thawing.

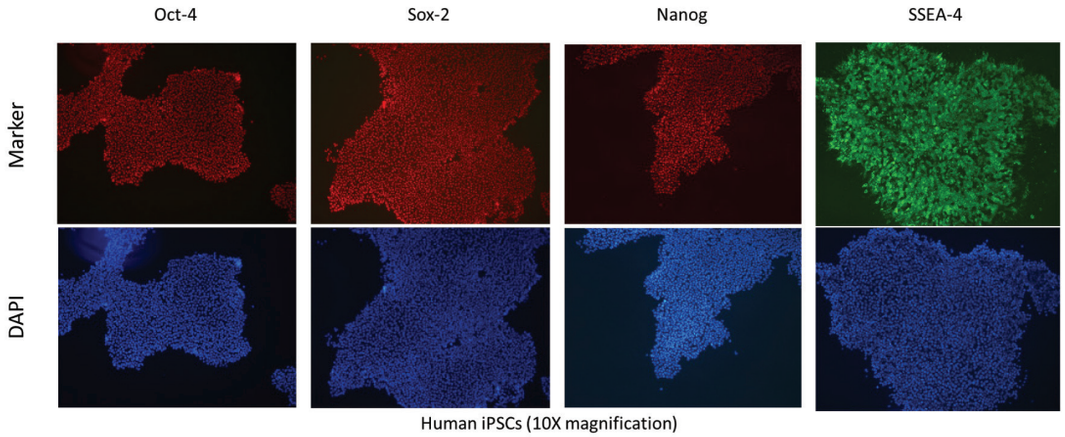


Figure 2. Expression of pluripotency markers. The ASE-9215 iPSC line expresses common iPSC biomarkers (top row: Oct-4, Sox-2, Nanog, and SSEA-4). Bottom row: Corresponding DAPI nuclear staining. All images were taken at 10X magnification.

Ordering Information

Catalog No.	ASE-9215
Description	Human iPSCs (from Normal, Male, PBMCs)
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

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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Specifications are subject to change; refer to the lot-specific Certificate of Analysis for released values. TARGATT™ and ActiCells™ are trademarks of Applied StemCell, Inc.

© 2026 Applied StemCell
PN: [DS-ASE-9215] Rev. [1]