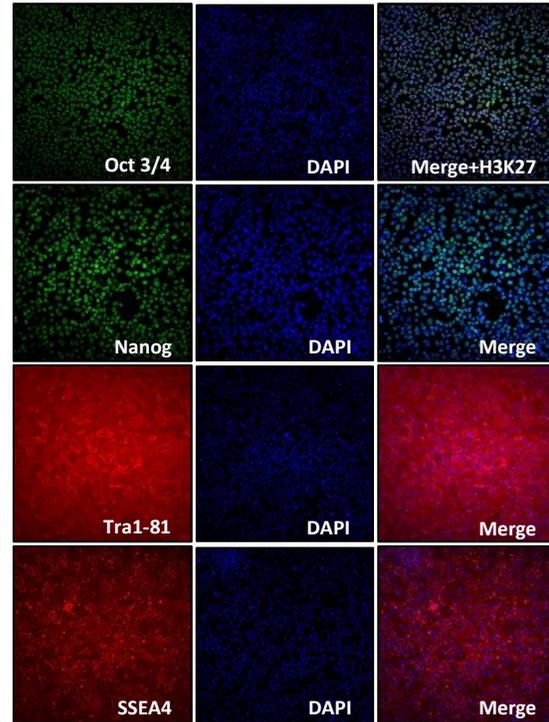


AlphaSTEM™ Naïve iPSC Line, Female
DATA SHEET
PRODUCT INFORMATION

Catalog #	Batch #	Product	Passage	Cells/Vial
MSF0001	010117-22-VP-05	Naïve iPSC Line, Female	22	1.0 x 10 ⁶

DESCRIPTION

AlphaSTEM™ Naïve iPSC Line, Female is a zero-footprint, viral-integration-free human induced pluripotent stem cell (iPSC) line derived from peripheral blood mononuclear cells (PBMCs). These cells have the gene expression signature of naïve state cells and have a stable karyotype for over 50 passages when cultured in the AlphaSTEM culture system. In addition, these cells have two active X chromosomes, express all typical pluripotency markers and form teratomas containing tissues from all three germ lines. These cells have been shown to differentiate into cardiomyocytes, neural cells and hepatocytes.


QUALITY INFORMATION

Analysis Date: 05/08/2017

Naïve State Testing

Re-activation of 2nd X chromosome for >85% of cells XaXa by H3 K27 trimethylation

Pass

Pluripotency Testing

Positive for pluripotency markers Oct4, Nanog, Sox2, Klf4 by qPCR; Oct4, Nanog, Tra-1-81, SSEA-4 by IF and flow cytometry

Pass

Karyotype Testing

Cytogenetic analysis is performed on twenty G-banded metaphase cells

Normal

Sterility Testing – Mycoplasma, Bacteria, Fungi

Samples are tested for sterility by culture inoculation (bacteria, fungi) and PCR assay (mycoplasma)

Negative

Human Pathogens

Samples are tested for HEP-A, HEP-B, HEP-C, HIV 1&2

Negative

STORAGE AND HANDLING



After shipment either thaw for immediate use or store in liquid nitrogen. Cells stored for more than 1 day at -80°C quickly lose viability.



Biosafety Level 2

Users should treat all human and animal cells as potential pathogens. Wear protective clothing and eyewear. Practice appropriate disposal techniques for potentially pathogenic or biohazardous materials.

INTENDED USE

This product is intended for research use ONLY. It is not intended for any animal or human therapeutic or diagnostic use.

TERMS AND CONDITIONS

This product is sold for research use only (whether the buyer is an academic or for-profit entity) under a non-transferable, limited-use license. Purchase of this product does not include the right to sell, use or otherwise transfer this product for commercial purposes (i.e., any activity undertaken for consideration, such as use of this product for manufacturing, or resale of this product or any materials made using this product, or use of this product or any materials made using this product to provide services) or clinical use (i.e., administration of this product or any material using this product to humans) or the right to implant any material made using this product into an animal by, or in collaboration with, a for-profit entity, for purposes other than basic pre-clinical research applications. Full terms of use available at: www.minervabio.com/license