NYSCF The New York Stem Cell Foundation Research Institute

NYSCF ID: CO0002-01-SV-003 Lot# E186-3G

Certificate of Analysis

Product Description	iPS Cell Line	
Publication(s) describing iPSC establishment	NA	
Parent cell line and cell type	CO0002-01-FB-001	Fibroblasts
Unique Parent Cell Line ID	7889B/7889O	
Method of Reprogramming	Sendai Virus	
Media	Freedom	
Cell Culture Matrix	Geltrex	
Passage method	Accutase	
Split ratio	1:10-1:20 every 5-7 days	
Reported Sex (Demographics)	Male	
Calculated Sex (DNA)	Male	

The following testing specifications have been met for the specified product lot:

Test Description	Test Method	Test Specification	Result
Post-Thaw Viable Cell Recovery	Cryotube thaw to single well of 12 well plate	>50% Confluency reached within 10 days	Pass
Sterility	SteriTEQ	Negative	Pass
Mycoplasma	Lonza MycoAlert Plus	Negative	Pass
Karyotype	Illumina CoreExome24	Normal Karyotype (No Autosomal CNVs >2.5 Mb)	Pass
Identity Match	Fluidigm SNPTrace Analysis	Match parent line	Pass
Pluripotency Expression Profile	Nanostring Pluripotency Scorecard Analysis	Express markers of pluripotency with absence of early differentiation markers	Pass
Shutoff of Sendai Transgenes	Nanostring Gene Expression Analysis	Absence of Sendai Virus Expression	Pass
Differentiation Capacity	Nanostring 3 Germ Layer Scorecard Analysis	Ectoderm Analysis	0.25
Differentiation Capacity	Nanostring 3 Germ Layer Scorecard Analysis	Mesoderm Analysis	-0.28
Differentiation Capacity	Nanostring 3 Germ Layer Scorecard Analysis	Endoderm Analysis	-0.34

Notes

A negative score in the 3 germ layer analysis indicates a potentially reduced ability to differentiate into the corresponding germ layer. An asterisk indicates the line performed outside of the range of reference lines used in this analysis. For more information see Bock et al., 2011 (DOI: 10.1016/j.cell.2010.12.032).

☒Pass
☐Fail
☐Other:

Katie Reggio
QA/QC Manager
Date: 12/08/2020

Sample ID	Autosome or Allosome	Chr	Start	End	CNV Value	Size (bp)	CNV Conf

Table 1 - No CNVs Detected