NYSCF The New York Stem Cell Foundation Research Institute

NYSCF ID: NY0001-01-ES-001 Lot#E136-3F

Certificate of Analysis

Product Description	Embryonic Stem Cell Line
Publication(s) describing iPSC establishment	NA
Cell Line Alias	NYSCFe001-A
Passage upon thaw	9
Media	Freedom
Cell Culture Matrix	Cultrex
Passage method	Accutase
Split ratio	1:10-1:20 every 5-7 days

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 Omni Exome 24	Normal Karyotype (No Autosomal CNVs >2.5 Mb)	Pass
Pluripotency Expression Profile	Nanostring Pluripotency Scorecard Analysis	Express markers of pluripotency with absence of early differentiation markers	Pass
Differentiation Capacity	Nanostring 3 Germ Layer Scorecard Analysis	Absence of bias to differentiation into any of three germ layers	Pass*

Notes
Cell line displayed a negative score indicating a reduce ability to spontaneously differentiate into the mesoderm lineages. This suggests a potential bias in differentiation capacity (See Bock et. al., 2011).

☑Pass
☐Fail
☐Other:

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Date: 11/02/17

Sample ID	Autosome or Allosome	Chr	Start	End	CNV Value	Size (bp)
NY0001-01-ES-001	Autosome	7	110132602	110282027	1	149425

Table 1 - Summary of CNVs identified