

**NYSCF ID: NY0002-01-ES-001 Lot#E136-3G**

**Certificate of Analysis**

Product Description	Embryonic Stem Cell Line
Publication(s) describing iPSC establishment	NA
Cell Line Alias	NYSCFe002-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

- Pass
- Fail
- Other:

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 Daniel Paull, PhD  
 Vice President, Automation Systems and Stem Cell Biology  
 Date: 11/02/17

<b>Sample ID</b>	<b>Autosome or Allosome</b>	<b>Chr</b>	<b>Start</b>	<b>End</b>	<b>CNV Value</b>	<b>Size (bp)</b>
NY0002-01-ES-001	Autosome	7	110127748	110282027	1	154279

Table 1 - Summary of CNVs identified