

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

Cell Line Name	STBCi006-A	Batch / Lot Number	M001
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Reprogramming Method	Sendai CytoTune™ 2.0 (OCT3/4, SOX2, cMYC, and KLF4)		
Passage Number	30	Cell number / vial	2x10E6
Culture Matrix	Matrigel™	Culture Medium	mTeSR™-1
O ₂ Concentration	21%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at thaw
Cryopreservation Medium	Cryostor		
Recommendation for thawing	Recommended thaw into 2 wells of a 6-well plate or per 10cm ² Refer to cell line user protocols for further guidance at www.EBiSC.org		
Additional Comments	Typical recovery after thaw, typical growth to confluency		

Please see <https://cells.ebisc.org/> for further information on Quality Control and characterisation applied to lines released by EBiSC. The following standard testing criteria have been determined within EBiSC, prior to release of this product:

Test	Assay	Acceptance Criteria	Result
Sterility	Inoculation for microbiological growth	Not Detected	Pass
	Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
Cell Line Identity	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded and available upon request. Match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical PSC colonies with low differentiation levels
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass

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Test	Assay	Acceptance Criteria	Result
Genomic Stability	G-Banding (10- 20 successful karyotypes recorded)	Sex match to donor.	46,XX,dup(20)(q11.2)[8]/ 46,XX[12]

Differentiation potential not performed for batch M001.

Please refer to historical data from the initial batch P001:

Test	Assay	Acceptance Criteria	Result
Differentiation Potential	Trilineage differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Pass Mesoderm : Pass Ectoderm : Pass

Additional guidance on storage, safety and usage can be found in the [EBiSC Technical Information](#).

Approved CoA Signature P. Juan Date 27-06-2024