Certificate of Analysis (CoA)
for induced Pluripotent Stem Cells

This product is for research only

Cell Line Name	STBCi061-A	Batch / Lot Number	M001

Reprogramming Method	Sendai CytoTune™ 1.0 (OCT3/4, SOX2, cMYC, and KLF4)		
Passage Number	Passage 21	Cell number / vial	1x10E6
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 CS10		
Recommendation for thawing	Recommended thaw into 60mm plate(s) Refer to cell line user protocols for further guidance at www.EBiSC.org		
Additional Comments	Low, slow 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 by depositor & Pass
Cell Line Identity	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded and available upon request. First profile recorded, Sex match to donor.
Viability	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery
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
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Pass Mesoderm : Pass Ectoderm : Pass
Genomic Stability	G-Banding (10- 20 successful karyotypes recorded)	Sex match to donor.	No chromosomal abnormalities detected.

Additional guidance on storage, safety and usage can be found in the EBiSC Technical Information.

Approved CoA **Signature** Jochen Schmidt Digital unterschrieben von Jochen Schmidt Datum: 2024.02.27 16:29:50 +01'00' **Date** _____