Certificate of Analysis (CoA)
for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540794

Cell Line Name	STBCi066-A	Batch / Lot Number	M001
Reprogramming Method	Non-integrating Sendai virus (KOS, c-Myc, Klf4)		
Passage Number	23	Cell number / vial	1-2x10^6
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	N/A	Allele data recorded and available upon request. Profile 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

In case of queries, please contact culturecollections.technical@phe.gov.uk. European Collection of Authenticated Cell Cultures (ECACC), Culture Collections, Public Health England, Tel: +44 (0) 1980 612684

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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	Sex match to donor. 20 successful karyotypes recorded.	46, XY

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

Approved CoA **Signature** _____ **Date** 24 Dec 2019

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