

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540583

Cell Line Name	STBCi005-A	Batch Number	M001
Donor ID	SF833, 2792		
Disease Association	Parkinson's disease	Phenotype of Donor	Affected
Tissue of Origin	Fibroblast	Sex	Male
Reprogramming Method	Non-Integrating Sendai virus (KLF4, MYC, POU5F1, SOX2)		
Passage Number	Passage 31	Cell number / vial	1.32 x 10 ⁶
Culture Matrix	Geltrex	Culture Medium	mTeSR™ 1
O ₂ Concentration	20%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Use of Rock inhibitor for 24hrs post thaw
Cryopreservation Medium	40% FBS*/ 50% medium / 10% DMSO *Serum of Zone 1 origin		
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 growth to confluency		
Associated Publications	PubMed ID: NA		

Please see www.EBiSC.org for further information on Quality Control 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
	qPCR for Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
Cell Line Identity	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Gender match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable

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Test	Assay	Acceptance Criteria	Result
Karyotype	G-Banding	20 metaphase spreads	15/20 diploid male karyotype (46, XY) 1 Cell 47, XYY 1 Cell 45, XY -9 1 Cell 47, XY -14 1 Cell 47, XY -16 1 Cell 47, XY -17
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low differentiation levels
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass, however SSEA at 20.86%
Differentiation Potential	Directed differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected

Additional cell line characteristics have been determined by original reprogramming centres and have not been independently verified by EBiSC. Historical cell line data displayed here is accurate according to data provided by depositors on 24-NOV-2017

Test	Assay	Result
Sterility	PCR for Mycoplasma	Pass
Phenotype	Flow Cytometry	Pass
Karyotype	SNP Analysis	No abnormalities Detected
Cell Line Identity	SNP Analysis	Match to donor fibroblast
Clearance of Reprogramming Factors	qPCR	Not detected

The following guidance can be found in the Instructions for Use	
Intended use	Expiry Date
Product Format	Recommended storage conditions
Volume	Hazardous Information

Approved CoA

Signature 

Date 30 NOV 2017



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