Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

EBiSC
European Bank for induced pluripotent Stem Cells

ECACC Catalogue No: 66540839

Cell Line Name	STBCi083-B	Batch Number	M001
Donor ID	SF830, 3063		
Disease Association	Parkinson's disease	Phenotype of Donor	Affected
Tissue of Origin	Fibroblast	Sex	Male
Reprogramming Method	Non-integrating Sendai virus		
Passage Number	Passage 22	Cell number / vial	$2x10^6$
Culture Matrix	Matrigel	Culture Medium	mTeSR-1
O_2 Concentration	20%	CO_2 Concentration	5% CO_2
Passaging Method	EDTA	Additional Culture Information	Use ROCKi for 24hrs after thawing
Cryopreservation Medium	Cryostor		
Recommendation for thawing	Recommended thaw into 2 well(s) 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		
Associated Publications	N/A		

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
	PCR for Mycoplasma	Not Detected	Pass
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
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

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 : Detected Mesoderm : Detected Ectoderm : Detected
Karyotype	GTG-Banding	> 75% of cells reported as normal	Predominantly diploid male karyotype (46, XY, der(1)inv(1)(p3?3q21)). Numerically unsuspicious but structurally conspicuous inversion on chromosome 1.

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 23-04-2018. **Even if data was not provided by depositor, cell material is still available for testing.**

Test	Assay	Result
Genetic Defect	Not provided	Not provided
Phenotype	Not provided	Not provided
Karyotype	Molecular karyotyping by SNP array	No abnormalities detected
Cell Line Identity	Short Tandem Repeat analysis using PCR	Not provided. Donor data must be requested from depositor
Clearance of Reprogramming Factors	PCR	Reprogramming vectors not detectable
Sterility	Virology (HBV, HCV, HIV1, HIV2)	Not provided

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** A. Smith **Date** 09.05.2018

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