

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540611

Cell Line Name	SIGi001-A-12	Batch Number	M001
Donor ID	iPSC0028, iPSC0028	Phenotype of Donor	Unaffected
Genetic Modification	Isogenic Modification	Diseases associated with Modification	Frontotemporal dementia
Tissue of Origin	Epithelium	Sex	Female
Reprogramming Method	Integrating Retrovirus (KLF4, MYC, POU5F1, SOX2)		
Passage Number	Passage 31	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 and at first passage recommended
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

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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 female karyotype (46,XX)

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 12-04-2018. **Even if data was not provided by depositor, cell material is still available for testing.**

Test	Assay	Result
Genetic Editing	Not provided	Isogenic Modification at 17q21.31
Phenotype	Not provided	Not provided
Karyotype	G-Banding	Not provided
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 (HIV1, HIV2)	Pass

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. S. Small

Date

27.04.2018