

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540358

Cell Line Name	SIGi001-A-10	Batch Number	M001
Donor ID	IPSC0028		
Disease Association	No disease association	Phenotype of Donor	Unaffected
Tissue of Origin	Epithelium	Sex	Female
Reprogramming Method	Integrating retrovirus (POU5F1, SOX2, KLF4, MYC)		
Passage Number	Passage 37	Cell number / vial	1.46 x 10 ⁷
Culture Matrix	Geltrex/Matrigel	Culture Medium	m-TeSR1
O ₂ Concentration	21%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Use of ROCKi at first passage recommended
Cryopreservation Medium	40% FBS*/ 50% medium / 10% DMSO *Serum of Zone 1 origin		
Recommendation for thawing	Recommended thaw into 1 well of a 6-well plate alternatively 2 wells of a 12-well plate or per 10cm ² Refer to cell line user protocols for further guidance at www.EBiSC.org		
Additional Comments	Low, slow recovery after thaw, typical growth to confluency		
Associated Publications	PubMed ID: 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
	qPCR for Mycoplasma	Not Detected	Pass
Cell Line Identity	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low to medium differentiation levels

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Test	Assay	Acceptance Criteria	Result
Phenotype	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass

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-AUG-2016

Test	Assay	Result
Sterility	Virology (HBV, HCV, HIV1, HIV2)	Negative
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
Phenotype	Immunocytochemistry	OCT-4 : Detected TRA-1-60 : Detected SSEA-4 : Detected
Clearance of Reprogramming Factors	qPCR	Reprogramming factors silenced
Karyotype	Karyolite BoBs	No autosomal or sex chromosome aneuploidies 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

29 Aug 2016

www.EBiSC.eu



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