

# Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

*This product is for research only*

ECACC Catalogue No: 66540357

Cell Line Name	SIGi001-A-2	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, KLF4, SOX2, MYC)		
Passage Number	Passage 31	Cell number / vial	3.7 x 10 <sup>6</sup>
Culture Matrix	Geltrex/Matrigel	Culture Medium	mTeSR1
O <sub>2</sub> Concentration	21%	CO <sub>2</sub> 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 2 wells of a 6-well plate or per 10cm <sup>2</sup> Refer to cell line user protocols for further guidance at <a href="http://www.EBiSC.org">www.EBiSC.org</a>		
Additional Comments	Typical recovery after thaw, typical growth to confluency		
Associated Publications	PubMed ID: N/A		

Please see [www.EBiSC.org](http://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
<b>Sterility</b>	Inoculation for microbiological growth	Not Detected	Pass
	qPCR for Mycoplasma	Not Detected	Pass
<b>Cell Line Identity</b>	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Match to donor
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Acceptable
<b>Phenotype</b>	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low differentiation levels

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Test	Assay	Acceptance Criteria	Result
<b>Phenotype</b>	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
<b>Karyotype</b>	BoBs	No autosomal or sex chromosome aneuploidies detected	No autosomal or sex chromosome aneuploidies 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 25-AUG-2016

Test	Assay	Result
<b>Sterility</b>	Virology (HBV, HCV, HIV1, HIV2)	Negative
<b>Differentiation Potential</b>	Spontaneous EB differentiation and qPCR for trilineage markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
<b>Clearance of Reprogramming Factors</b>	qPCR	Reprogramming factors silenced

The following guidance can be found in the Instructions for Use

<b>Intended use</b>	<b>Expiry Date</b>
<b>Product Format</b>	<b>Recommended storage conditions</b>
<b>Volume</b>	<b>Hazardous Information</b>

Approved CoA

Signature

*Jane Erby*

Date

*26 Aug 2016*

www.EBiSC.eu



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