

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only



ECACC Catalogue No: 66540025

Cell Line Name	RBi001-A	Batch Number	P001
Donor ID	101		
Disease Association	No disease association	Phenotype of Donor	Unaffected
Tissue of Origin	Dermal fibroblasts	Sex	Male
Reprogramming Method	Non-integrating episomal (POU5F1, SOX2, KLF4 and MYC)		
Passage Number	Passage 17	Cell number / vial	1.21 x 10 ⁶
Culture Matrix	Vitronectin	Culture Medium	E8
O ₂ Concentration	20%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	N/A
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	Slow recovery after thaw, typical growth to confluency Cells may require incubation at room temperature for six minutes in EDTA to aid removal during passaging		
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
	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. Match to donor
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

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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
Phenotype	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
Karyology	G-Banding	>75% normal spreads	28/30 diploid male karyotype (46, XY) 1/30 47,XY,+mar 1/30 45,XY,-10
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
Clearance of Reprogramming Factors	Endpoint PCR for episomal backbone clearance	Not Detected	Pass

Details of additional cell line characteristics performed by original reprogramming centre have not been supplied to EBiSC.

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

Janet...

Date

05 Aug 2016

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