

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540044

Cell Line Name	RCi005-A	Batch Number	M002
Donor ID	331-11-AA		
Disease Association	Facioscapulohumeral muscular dystrophy	Phenotype of Donor	Affected
Tissue of Origin	Fibroblast	Sex	Female
Reprogramming Method	Non-integrating Episomal (POU5F1, SOX2, KLF4 and MYC)		
Passage Number	Passage 27	Cell number / vial	1.7 x 10 ⁶
Culture Matrix	Matrigel/Geltrex	Culture Medium	E8
O ₂ Concentration	21%	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 1 well 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, slow growth to confluency Recommended split ratio 1:6 – 1:8 Morphology poor immediately after passage but improves approximately 3 days post passage		
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
	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. Gender match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Obvious iPSC colonies with medium levels of differentiation

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

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Test	Assay	Acceptance Criteria	Result
Phenotype	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% +	Pass
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : 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 08-SEP-2016

Test	Assay	Result
Karyotype	BoBs	Not autosomal or sex chromosome aneuploidies detected
Clearance of Reprogramming Factors	PCR for Episomal backbone	Not 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 12 Sep 2016