

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540107

Cell Line Name	RCi006-A	Batch Number	P001
Donor ID	218-12-BB		
Disease Association	Facioscapulohumeral Muscular Dystrophy	Phenotype of Donor	Not Affected
Tissue of Origin	Fibroblast	Sex	Male
Reprogramming Method	Non Integrating Episomal (SOX2, KLF4, MYC, POU5F1)		
Passage Number	Passage 10	Cell number / vial	1.09 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 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, slow 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
	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	Low, slow recovery
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low level of differentiation

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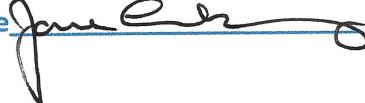
Test	Assay	Acceptance Criteria	Result
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected

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 07-JUN-2016

Test	Assay	Result
Karyotype	G-Banding 30 metaphase spreads	25/30 diploid male karyotype (46, XY) 1/30 47,XY,+1 1/30 47,XY,+14 2/30 45,XY,-21 1/30 44,XY,-21,-22
	BoBs	No autosomal or sex chromosome aneuploidies were detected in this sample
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 24 June 2016



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