

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540011

Cell Line Name	UKBi007-A	Batch Number	P002
Donor ID	LB-MJD3-33f		
Disease Association	Machado-Joseph disease	Phenotype of Donor	Affected
Tissue of Origin	Dermal fibroblast	Sex	Female
Reprogramming Method	Retroviral vectors encoding for POU5F1, SOX2, KLF4 and C-MYC		
Passage Number	Passage 13	Cell number / vial	1-2 x 10 ⁶
Culture Matrix	Matrigel/Geltrex	Culture Medium	mTeSR-1
O ₂ Concentration	21%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	N/A
Cryopreservation Medium	90% medium / 10% DMSO		
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	Typical recovery after thaw, typical 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	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low differentiation levels

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% + 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 10-JUN-2016

Test	Assay	Result
Differentiation Potential	Teratoma formation (HE stain)	Teratoma showed tissues of all three germ layers
	Directed Differentiation	Production of It-NES Cells
Genetic Defect	PolyQ locus-specific PCR of ATXN3 gene	Expanded polyQ allele
Phenotype	Immunocytochemistry	Positive Expression of POU5F1, SSEA3, TRA-1-60 and TRA-1-81
Karyotype	SNP Karyotyping	Normal
Cell Line Identity	STR	Match to donor fibroblast
Clearance of Reprogramming Factors	qPCR	No expression of reprogramming factors

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

[Handwritten Signature]

Date

15 June 2016



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