

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only



ECACC Catalogue No: 66540007

Cell line Name and Batch no.	UKBi003-A/P001 Alternative name: UKB003Ai		
Donor ID	LB-MJD1-32m		
Disease Association	Machado-Joseph Disease	Phenotype of Donor	Affected
Tissue of Origin	Skin Fibroblasts	Sex	Male
Reprogramming Method	Retroviral vector (POU5F1, SOX2, KLF4 and MYC)		
Passage no.	Passage 28	Cell number / vial	1 - 2 x 10 ⁶
Culture and Passaging Methods.	Recommended thaw into 1 well of a 6-well plate. Culture using Matrigel/Geltrex with mTeSR-1, passaged using EDTA. Refer to cell line user protocols for further guidance at www.EBiSC.eu .		
Additional Comments	Typical recovery after thaw, typical growth cycle		
Associated Publications	22113611		

Please see www.EBiSC.eu for further information on QC 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
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.
	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



In case of queries, please contact enquiries@EBiSC.com. Roslin Cells Ltd, Roslin Biocentre, Wallace Building, Roslin, Midlothian, EH25 9PP. Tel: +44 (0) 131 658 5180.

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Additional cell line characteristics have been determined by original reprogramming centres and have not been independently verified by EBiSC. Data was provided to EBiSC directly and/or via hESCreg and is accurate as of 20-APR-2015.

Test	Assay	Result
Cell line Identity	STR	Match to donor tissue.
Genetic Defect	PCR of PolyQ region in ATXN3 gene	Line carries expanded PolyQ region.
Phenotype	Immunocytochemistry.	Positive expression of POU5F1, SSEA-3, TRA-1-60 and TRA-1-81.
Karyotype	SNP Karyotyping	Normal
Differentiation Potential	Teratoma Formation	Tissues of all 3 germ layers formed.
	Directed differentiation	Production of It-NES cells
Clearance of Reprogramming Factors	QPCR	No expression of reprogramming factors.

Intended use

Please refer to Instructions for Use.

Product Format

Please refer to Contents section of Instructions for Use.

Volume

Please refer to Contents section of Instructions for Use.

Expiry Date

Please refer to Stability section of Instructions for Use.

Recommended storage conditions

Please refer to Storage section of Instructions for Use.

Hazardous Information

Please refer to Caution section of Instructions for Use.

Approved CoA

Signature

Date

12 Aug 2015



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