

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only



ECACC Catalogue No: 66540059

Cell Line Name	EDi002-A	Batch Number	P001
Donor ID	NAS-2		
Disease Association	Parkinson's Disease	Phenotype of Donor	Not Affected
Tissue of Origin	Dermal Fibroblast	Sex	Female
Reprogramming Method	Episomal Vector (MYC, KLF4, POU5F1 and SOX2)		
Passage Number	Passage 46	Cell number / vial	2.1 x 10 ⁶
Culture Matrix	Geltrex / Matrigel	Culture Medium	mTeSR-1
O ₂ Concentration	20%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	ROCK Inhibitor has been used in the history of the cell line
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	Typical recovery after thaw, typical growth to confluency		
Associated Publications	NA		

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



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 612468

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Test	Assay	Acceptance Criteria	Result
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low level of differentiation
	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

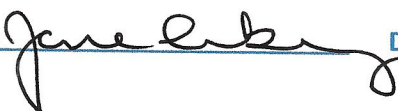
Additional cell line characteristics have been determined by original reprogramming centres and have not been independently verified by EBiSC. Historical cell line data displayed here is accurate according to data provided by depositors on 22-MAR-2016

Test	Assay	Result
Genetic Defect	No Mutation	N/A
Karyotype	G-Banding	Model Karyotype 46XX

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

23 Mar 2016