Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

EBiSC
European Bank for induced pluripotent Stem Cells

ECACC Catalogue No: 66540061

Cell Line Name	EDi008-B Alternative Name: EDINi008-B	Batch Number	M001
Donor ID	SNCA0912		
Disease Association	Parkinson's Disease	Phenotype of Donor	Affected
Tissue of Origin	Fibroblasts	Sex	Female
Reprogramming Method	Non-integrating Episomal (POU5F1, SOX2, KLF4, L-myc, and Lin28)		
Passage Number	Passage 23	Cell number / vial	4.44×10^6
Culture Matrix	Geltrex /Matrigel	Culture Medium	Essential 8™
O_2 Concentration	20%	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 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	PubMed ID: 23404372		

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	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low level 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% + POU5F1 > 70% +	TRA-1-60 outside alert limits 51.59% Other markers 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 17-MAY-2017

Test	Assay	Result
Genetic Defect	Sequencing	α-synuclein G>A heterozygous mutation at base 152, codon 51 causing a glycine to aspartic acid amino acid change
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
Karyotype	G-Banding	9/12 46,XX,der(15)t(1;15)(q12;p11.2) 1/12 47,XX,der(15)t(1;15)(q12;p11.2),+4 2/12 46,XX
	BoBs	The probes on the q arm of chromosome 1 indicate and increased dosage. A normal dosage pattern was observed for both the short and long-arm probes of all other chromosomes
Clearance of Reprogramming Factors	PCR for Episomal backbone	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** 07 July 2017

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