

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540068

Cell Line Name	ESi006-A	Batch Number	P001
Donor ID	SP13		
Disease Association	Parkinson's Disease	Phenotype of Donor	Affected
Tissue of Origin	Epidermal Keratinocytes	Sex	Female
Reprogramming Method	Retroviral Vector (POU5F1, SOX2, KLF4)		
Passage Number	Passage 19	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	40% FBS* / 50% mTeSR / 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	PubMed-ID 22407749		

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. Profile 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

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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-NOV-2015

Test	Assay	Result
Genetic Defect	Sequencing of PCR product	Carrier of G2019S mutation in the LRRK2 gene
Phenotype	Immunocytochemistry	Positive for NANOG, TRA-1-81, OCT-4, and SSEA-3
Karyotype	G-Banding	Diploid (46, XX)
Clearance of Reprogramming Factors	qPCR	Silencing of Retroviral Vector (POU5F1, SOX2, KLF4)
Differentiation Potential	EB trilineage differentiation in vitro and in vivo using immunocytochemistry and immunohistochemistry	Endoderm : Detected Mesoderm : Detected Ectoderm : 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

26 Apr 2016