

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540164

Cell Line Name	PFIZI009-A	Batch Number	M001
Donor ID	OD009		
Disease Association	Dravet syndrome	Phenotype of Donor	Affected
Tissue of Origin	PBMC (Erythroblast)	Sex	Female
Reprogramming Method	Non-integrating Sendai virus (POU5F1, SOX2, KLF4, C-MYC)		
Passage Number	Passage 16	Cell number / vial	1.1 x 10 ⁶
Culture Matrix	Geltrex / Matrigel	Culture Medium	E8
O ₂ Concentration	21%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	N/A
Cryopreservation Medium	40% FBS* / 50% E8 / 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	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. Gender match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low to medium level differentiation

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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 05-SEP-2017

Test	Assay	Result
Karyotype	G-Banding	28/30 diploid female karyotype (46, XX). 1/30 46,XX,i(9)(q10). 1/30 46,XX,del(9)(q12)
	Karyolite BoBs	No autosomal or sex chromosome aneuploidies detected
Differentiation Potential	Directed differentiation and qPCR for trilineage markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
Clearance of Reprogramming Factors	qPCR for Sendai virus backbone	Not 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

13 Mar 2018