## **Certificate of Analysis (CoA) for induced Pluripotent Stem Cells**



This product is for research only

ECACC Catalogue No: 66540610

Cell Line Name	PFIZi025-A	Batch Number	M001
Donor ID	OD022		
Disease Association	Dravet Syndrome	Phenotype of Donor	Affected
Tissue of Origin	PBMC (Erythroblast)	Sex	Female
Reprogramming Method	Non-integrating Sendai virus (POU5F1, SOX2, KLF4, MYC)		
Passage Number	Passage 11	Cell number / vial	2x10 <sup>6</sup>
Culture Matrix	Geltrex / Matrigel	Culture Medium	mTeSR™1
O <sub>2</sub> Concentration	20%	CO <sub>2</sub> 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 or per 10cm <sup>2</sup>		
Necommendation for thawing	Refer to cell line user protocols for further guidance at www.EBiSC.c		ance 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. Profile 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 differentiation levels



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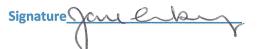
Test	Assay	Acceptance Criteria	Result
Phenotype	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
Differentiation Potential	differentiation and dPCR for		Endoderm : Detected Mesoderm : Detected Ectoderm : Detected

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 02-OCT-2017

Test	Assay	Result
Genetic Defect	Sanger Sequencing of KCNC1 affected location	Mutation p.Arg320His c.959G>A confirmed
Karyotype	G-Banding 20	18/20 diploid female karyotype (46, XX) 1/20 45,XX,-7 1/20 45,XX,-12
Clearance of Reprogramming Factors	qPCR for Sendai virus	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** 



Date 09 mm 2018

