

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

*This product is for research only*

ECACC Catalogue No: 66540418

Cell Line Name	PFIZi017-A	Batch Number	M001
Donor ID	OD007		
Disease Association	Dravet syndrome	Phenotype of Donor	Affected
Tissue of Origin	PBMC (Erythroblast)	Sex	Male
Reprogramming Method	Non-integrating Sendai virus (POU5F1, SOX2, KLF4, C-MYC)		
Passage Number	Passage 32	Cell number / vial	1.0 x 10 <sup>6</sup>
Culture Matrix	Geltrex / Matrigel	Culture Medium	E8 Flex
O <sub>2</sub> Concentration	21%	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> Refer to cell line user protocols for further guidance at <a href="http://www.EBiSC.org">www.EBiSC.org</a>		
Additional Comments	Typical recovery after thaw, typical growth to confluency. Thaw with 20/80% split ratio into 2 wells of a 6 well culture plate		
Associated Publications	N/A		

Please see [www.EBiSC.org](http://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
<b>Sterility</b>	Inoculation for microbiological growth	Not Detected	Pass
	qPCR for Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
<b>Cell Line Identity</b>	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Match to donor
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Acceptable
<b>Phenotype</b>	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low to medium differentiation levels

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Test	Assay	Acceptance Criteria	Result
<b>Phenotype</b>	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	SSEA-1 out with alert limits 23.90% all other results 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 28-AUG-2017

Test	Assay	Result
<b>Differentiation Potential</b>	Directed differentiation and qPCR for trilineage markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
<b>Karyotype</b>	KaryoLite BoBs	No autosomal or sex chromosome aneuploidies were detected in this sample
<b>Sterility</b>	Broth inoculation for mycoplasma	Not detected
<b>Clearance of Reprogramming Factors</b>	qPCR for Sendai virus backbone	Not detected

The following guidance can be found in the Instructions for Use	
<b>Intended use</b>	<b>Expiry Date</b>
<b>Product Format</b>	<b>Recommended storage conditions</b>
<b>Volume</b>	<b>Hazardous Information</b>

Approved CoA

Signature 

Date 30 Apr 2018



In case of queries, please contact [culturecollections.technical@phe.gov.uk](mailto:culturecollections.technical@phe.gov.uk). European Collection of Authenticated Cell Cultures (ECACC), Culture Collections, Public Health England, Tel: +44 (0) 1980 612684