

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

*This product is for research only*

ECACC Catalogue No: 66540377

Cell Line Name	PFIZI016-A	Batch Number	M001
Donor ID	OD005		
Disease Association	Dravet Syndrome	Phenotype of Donor	Affected
Tissue of Origin	PBMC	Sex	Female
Reprogramming Method	Non-integrating Sendai Virus (POU5F1, SOX2, KLF4, C-MYC)		
Passage Number	Passage 20	Cell number / vial	1.59 x 10 <sup>6</sup>
Culture Matrix	Geltrex / Matrigel	Culture Medium	E8
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> 1:20 split ratios recommended to maintain 4 day growth cycle. 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		
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 (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 fibroblast.
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Acceptable
<b>Phenotype</b>	Continuous visual assessment of iPSC colony morphology	Recorded	Obvious iPSC colonies with medium differentiation levels

[www.EBiSC.eu](http://www.EBiSC.eu)



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

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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% +	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 13-MAR-2018

Test	Assay	Result
<b>Karyotype</b>	BoBs	No autosomal or sex chromosome aneuploidies detected in this sample
	SNP Karyotyping	Normal
<b>Phenotype</b>	Immunocytochemistry	TRA-1-81 – Detected TRA-1-60 – Detected Oct3/4 – Detected
<b>Virology</b>	RT-PCR	HIV1 – Not Detected HBV – Not Detected HCV – Not Detected
<b>Clearance of Reprogramming Factors</b>	PCR	Not Detected
<b>Differentiation Potential</b>	hPSC Scorecard	Endoderm – Detected Mesoderm – Detected Ectoderm – 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

13 Mar 2018

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