

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

*This product is for research only*

ECACC Catalogue No: 66540228

Cell Line Name	PFIZI012-A	Batch Number	M001
Donor ID	SV0000762		
Disease Association	Chromosome 16p11.2 deletion syndrome 220kb	Phenotype of Donor	Affected
Tissue of Origin	Fibroblasts	Sex	Female
Reprogramming Method	Non-integrating Sendai Virus (POUF51, SOX2, KLF-4 and C-MYC)		
Passage Number	Passage 24	Cell number / vial	1.1 x 10 <sup>6</sup>
Culture Matrix	Matrigel/Geltrex	Culture Medium	Essential 8™
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 1 well 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	Slow recovery after thaw, typical growth to confluency Split ratios of between 1:5 to 1:15 recommended		
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. Profile match to donor fibroblast
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery

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Test	Assay	Acceptance Criteria	Result
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Obvious iPSC colonies with medium differentiation levels
	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 16-JUL-18.

Test	Assay	Result
Karyotype	KaryoLite BoBS	Abnormal result Probes near the telomere on the p arm of chromosome 3 indicate an increased dosage Probes near the telomere on the p arm of chromosome 20 indicate a decreased dosage For all other chromosomes a normal dosage pattern was observed for both the short and the long-arm probes
	G-Banding	Abnormal Karyotype: 20/20 diploid female karyotype 46,XX,der(20)t(3;20)(p21;p11.2)
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

Signature

Date

30 July 2018

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