

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

*This product is for research only*



ECACC Catalogue No: 66540057

Cell Line Name	UNEWi017-A	Batch Number	P001
Donor ID	F12/94		
Disease Association	Aplastic anaemia	Phenotype of Donor	Affected
Tissue of Origin	Fibroblasts	Sex	Male
Reprogramming Method	Non-integrating Sendai Virus (POU5F1, SOX2, KLF4, MYC)		
Passage Number	Passage 25	Cell number / vial	1-2 x 10 <sup>6</sup>
Culture Matrix	Matrigel/Geltrex	Culture Medium	mTeSR1
O <sub>2</sub> Concentration	20%	CO <sub>2</sub> Concentration	5%
Passaging Method	EDTA	Additional Culture Information	N/A
Cryopreservation Medium	Cryostor		
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	Slow recovery after thaw, slow growth to confluency		
Associated Publications	PubMed ID: 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. Gender match to donor
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery
<b>Phenotype</b>	Continuous visual assessment of iPSC colony morphology	Recorded	Emergence of iPSC colonies with medium to high differentiation levels



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% +	Pass
<b>Differentiation Potential</b>	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	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 05-OCT-2016

Test	Assay	Result
<b>Sterility</b>	qPCR for Mycoplasma	Not detected
<b>Cell Line Identity</b>	CytoSNP Analysis	Parental fibroblasts and clone are identical
<b>Differentiation Potential</b>	Teratoma Generation	Formed all germ linages
<b>Phenotype</b>	Flow Cytometry	Positive expression of markers TRA-1-60, SSEA4, NANOG, low expression of marker SSEA1
<b>Karyotype</b>	CytoSNP Analysis	Acceptable, normal karyotype
<b>Clearance of Reprogramming Factors</b>	PCR for Sendai virus	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

06 Oct 2016

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



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