

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

*This product is for research only*

ECACC Catalogue No: 66540325

Cell Line Name	UNEWi024-C	Batch Number	P001
Donor ID	F180		
Disease Association	Age-related Macular Degeneration	Phenotype of Donor	Affected
Tissue of Origin	Dermal Fibroblast	Sex	Male
Reprogramming Method	Non-integrating Sendai virus (POU5F1, SOX2, KLF4, MYC)		
Passage Number	Passage 13	Cell number / vial	2 x 10 <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> 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, fast 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. 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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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 09-FEB-2017

Test	Assay	Result
<b>Genetic Defect</b>	Sequencing of CFH and HTRA1 genes	High risk
<b>Phenotype</b>	Flow Cytometry	TRA-1-60: 99.8%; NANOG: 93.3%; SSEA-1: 0.1%; SSEA-4: 97.5%
<b>Karyology</b>	CytoSNP	No significant imbalance detected
<b>Cell Line Identity</b>	Short Tandem Repeat analysis using PCR	Match to donor
<b>Clearance of Reprogramming Factors</b>	PCR for Sendai virus	Not detected
<b>Differentiation Potential</b>	Spontaneous differentiation to three germ layers	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 *Jane Leung*

Date 13 Feb 2017



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