

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540012

Cell Line Name	UNEWi018-A	Batch Number	P001
Donor ID	F12/296		
Disease Association	Aplastic anaemia	Phenotype of Donor	Affected
Tissue of Origin	Dermal fibroblasts	Sex	Male
Reprogramming Method	Non-integrating Sendai Virus (POU5F1, SOX2, KLF4, MYC)		
Passage Number	Passage 27	Cell number / vial	1-2 x 10 ⁶
Culture Matrix	Matrigel/Geltrex	Culture Medium	mTeSR1
O ₂ Concentration	20%	CO ₂ 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 ² Refer to cell line user protocols for further guidance at www.EBiSC.org		
Additional Comments	Typical recovery after thaw, typical growth to confluency		
Associated Publications	PubMed ID: N/A		

Please see 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
Sterility	Inoculation for microbiological growth	Not Detected	Pass
	qPCR for Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
Cell Line Identity	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Gender match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	High differentiation levels with no obvious iPSC colonies

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Test	Assay	Acceptance Criteria	Result
Phenotype	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% +	Pass
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected

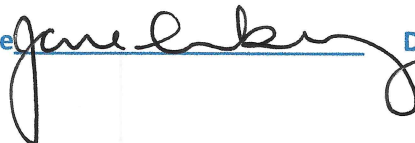
Additional cell line characteristics have been determined by original reprogramming centres and have not been independently verified by EBISC. Historical cell line data displayed here is accurate according to data provided by depositors on 05-OCT-2016

Test	Assay	Result
Cell Line Identity	CytoSNP Analysis	Parental fibroblasts and clone are identical
Sterility	qPCR for Mycoplasma	Not detected
Phenotype	Flow Cytometry	Positive for markers TRA-1-60, SSEA4, POU5F1, low expression of marker SSEA1
Differential Potential	Teratoma Generation	Formed all germ layers
Karyotype	CytoSNP Analysis	Trisomy chromosome 3
Clearance of Reprogramming Factors	PCR 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

06 Oct 2016