

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only



ECACC Catalogue No: 66540395

Cell Line Name	UOXFi005-A	Batch Number	M001
Donor ID	JR053		
Disease Association	No Disease Association	Phenotype of Donor	Unaffected
Tissue of Origin	Fibroblast of dermis	Sex	Male
Reprogramming Method	Integrating Retrovirus (POU5F1, SOX2, KLF4, MYC, NANOG)		
Passage Number	Passage 27	Cell number / vial	2x10 ⁶
Culture Matrix	Matrigel/Geltrex	Culture Medium	mTeSR™1
O ₂ Concentration	20%	CO ₂ Concentration	5
Passaging Method	EDTA	Additional Culture Information	Rock inhibitor required for 24 hours post thaw.
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 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



In case of queries, please contact 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
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low differentiation levels
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
Karyotype	G-Banding	20 metaphase spreads	9/11 diploid female karyotype (46,XX) 1/11 45,XX,-14 1/11 40,XX,-12,-13,-15,-15,-17,-22
	KaryoLite BoBs	No autosomal or sex chromosome aneuploidies detected	No autosomal or sex chromosome aneuploidies 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 06-DEC-2016

Test	Assay	Result
Cell Line Identity	SNP	Match to donor fibroblast
Stem Cell Marker Expression	Pluritest	Pass
Clearance of Reprogramming Factors	qPCR for Retroviral Transgenes	Transgenes silenced

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

13 feb 2018