

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540027

Cell Line Name	UCLi003-A	Batch Number	M001
Donor ID	V97		
Disease Association	Frontotemporal Dementia (FTD)	Phenotype of Donor	Unaffected
Tissue of Origin	Dermal fibroblasts	Sex	Female
Reprogramming Method	Retroviral vector (POU5F1, SOX2, KLF4 and MYC)		
Passage Number	Passage 40	Cell number / vial	2.0 x 10 ⁶
Culture Matrix	Geltrex/Matrigel	Culture Medium	E8
O ₂ Concentration	20%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	NA
Cryopreservation Medium	40% FBS*/ 50% E8 / 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 after thaw, typical growth to confluency		
Associated Publications	NA		

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. Match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable

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Test	Assay	Acceptance Criteria	Result
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low level of differentiation
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected
Karyotype	G-Banding	>75% normal spreads	Predominantly diploid female karyotype 25/30 (46,XX). One Cell 46,XX,del(18)(q21.1) One Cell 47,XX,+12 One Cell 47,XX,+17 One Cell 45,X,+10,-20 One Cell 45,XX,-2
	BoBs	N/A	No autosomal or sex chromosome aneuploidies detected in this sample

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

20 June 2016

www.EBiSC.eu



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