

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540029

Cell Line Name	UCLi002-A	Batch Number	P001
Donor ID	HHItC9D		
Disease Association	Amyotrophic Lateral Sclerosis/frontotemporal dementia	Phenotype of Donor	Affected
Tissue of Origin	Dermal fibroblasts	Sex	Male
Reprogramming Method	Retroviral vector (POU5F1, SOX2, KLF4 and MYC)		
Passage Number	Passage 46	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	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	Slow recovery after thaw, typical growth to confluency after first post thaw passage		
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	Typical recovery after thaw, slow growth to confluency

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Test	Assay	Acceptance Criteria	Result
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low differentiation levels
	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
Karyology	G-Banding	>75% normal spreads	Modal karyotype showed normal male chromosome complement and banding pattern
	BoBs	>75% normal spreads	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 27-JAN-2016

Test	Assay	Result
Genetic Defect	RT-PCR	Repeat expansion in C9ORF72

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