

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540119

Cell Line Name	WTSII045-A	Batch Number	P001
Donor ID	HPSI-heth		
Alternative Cell Line Name	HPSI0214i-heth_1		
Disease Association	No disease association	Phenotype of Donor	Unaffected control
Tissue of Origin	Fibroblasts of Dermis	Sex	Female
Reprogramming Method	Non-integrating Sendai virus (POU5F1, SOX2, KLF4, MYC)		
Passage Number	Passage 39	Cell number / vial	1-2x10 ⁶
Culture Matrix	Vitronectin	Culture Medium	TeSR-E8
O ₂ Concentration	20%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Use of Rock inhibitor for 24hrs post thaw
Cryopreservation Medium	Knock out serum replacement with 10% DMSO		
Recommendation for thawing	Recommended thaw into 2 wells of a 6-wells 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	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	NA	Allele data recorded and available on request. Gender match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable

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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

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 12-OCT-2016

Test	Assay	Result
Clearance of Reprogramming Factors	rtPCR	Pass
Stem cell marker expression	Pluritest	Pass
Sterility	PCR for Mycoplasma	Pass
Cell line identity	Fluidigm	Pass

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 04 Nov 2016



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