

# Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

*This product is for research only*

ECACC Catalogue No: 66540109

Cell Line Name	WTSli005-B	Batch Number	P001
Donor ID	HPSI-podx		
Alternative Cell line Name	HPSI1113i-podx_2		
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 30	Cell number / vial	1-2x10 <sup>6</sup>
Culture Matrix	Vitronectin	Culture Medium	mTeSR-E8
O <sub>2</sub> Concentration	20%	CO <sub>2</sub> 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 well of a 6-well plate or per 10cm <sup>2</sup> Refer to cell line user protocols for further guidance at <a href="http://www.EBiSC.org">www.EBiSC.org</a>		
Additional Comments	Typical recovery after thaw, typical growth to confluency		
Associated Publications	N/A		

Please see [www.EBiSC.org](http://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
<b>Sterility</b>	Inoculation for microbiological growth	Not Detected	Pass
	qPCR for Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
<b>Cell Line Identity</b>	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Gender matched to donor
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Acceptable

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Test	Assay	Acceptance Criteria	Result
<b>Phenotype</b>	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 01-NOV-2016

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

The following guidance can be found in the Instructions for Use	
<b>Intended use</b>	<b>Expiry Date</b>
<b>Product Format</b>	<b>Recommended storage conditions</b>
<b>Volume</b>	<b>Hazardous Information</b>

Approved CoA

Signature



Date

08 NOV 2016

[www.EBiSC.eu](http://www.EBiSC.eu)



In case of queries, please contact [culturecollections.technical@phe.gov.uk](mailto:culturecollections.technical@phe.gov.uk). European Collection of Authenticated Cell Cultures (ECACC), Culture Collections, Public Health England, Tel: +44 (0) 1980 612684