

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

*This product is for research only*



ECACC Catalogue No: 66540623

Cell Line Name	UKKi027-B	Batch / Lot Number	M001
Reprogramming Method	Sendai (POU5F1, SOX2, cMYC, and KLF4)		
Passage Number	26	Cell number / vial	1x10 <sup>6</sup>
Culture Matrix	Matrigel™	Culture Medium	mTeSR™-1
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at thaw
Cryopreservation Medium	Cryostor CS10		
Recommendation for thawing	Recommended thaw into 1x60mm plate Refer to cell line user protocols for further guidance at <a href="http://www.EBiSC.org">www.EBiSC.org</a>		

Please see <https://cells.ebisc.org> for further information on Quality Control and characterisation 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
	Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Confirmed Pass by depositor
<b>Cell Line Identity</b>	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded and available upon request.  Pass
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery
<b>Phenotype</b>	Continuous visual assessment of iPSC colony morphology	Recorded	Typical PSC colonies with low differentiation levels
	Flow Cytometry	SSEA-4 > 70% positive TRA-1-60 > 70% positive SSEA-1 < 10% positive POU5F1 > 70% positive	Pass
<b>Differentiation Potential</b>	Trilineage differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm Pass Mesoderm : Pass Ectoderm : Pass



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

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Test	Assay	Acceptance Criteria	Result
<b>Genomic Stability</b>	G-Banding (10 -20 successful karyotypes recorded)	Sex match to donor.	No chromosomal abnormalities detected

Additional guidance on storage, safety and usage can be found in the [EBiSC Technical Information](#).

Approved CoA      Signature \_\_\_\_\_      Date \_\_\_\_\_



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