Certificate of Analysis (CoA)
for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540659

Cell Line Name	STBCi013-A	Batch / Lot Number	M001
Reprogramming Method	Non-integrating Sendai virus (OCT4, SOX2, cMYC, and KLF4)		
Passage Number	18	Cell number / vial	$1.23x10^6$
Culture Matrix	Matrigel™	Culture Medium	mTeSR™1
O_2 Concentration	21%	CO_2 Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at thaw
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	Typical recovery after thaw, typical growth to confluency		

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
Sterility	Inoculation for microbiological growth	Not Detected	Pass
	Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
Cell Line Identity	STR / Fingerprinting	N/A	Allele data recorded and available upon request. Match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low differentiation levels

In case of queries, please contact culturecollections.technical@ukhsa.gov.uk. European Collection of Authenticated Cell Cultures (ECACC), Culture Collections, UK Health Security Agency, Tel: +44 (0) 1980 612684

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Test	Assay	Acceptance Criteria	Result
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass
Differentiation Potential	Directed differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm: Pass Mesoderm: Pass Ectoderm: Pass
Genomic Stability	G-Banding	Sex match to donor. 20 successful karyotypes recorded.	46, XX

Additional guidance on storage, safety and usage can be found in the EBiSC Technical Information.

Approved CoA **Signature** _____ **Date** 23/09/2022

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