

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only



Cell Line Name	STBCi006-A-1	Batch / Lot Number	P002
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Reprogramming Method	Non-integrating Sendai virus (KOS, MYC, and KLF4)		
Genetic Modification	CRISPR-associated (CRISPR/Cas) System ApoE KO by 8bp insertion in exon 1 (Stop codon + BclI rec site + 2 additional bases; homozygous)		
Passage Number	27	Cell number / vial	1-2x10E6
Culture Matrix	Matrigel™	Culture Medium	Essential 8™
O ₂ Concentration	18%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at thaw
Cryopreservation Medium	40% FBS* / 50% medium / 10% DMSO *Serum of Zone 1 origin		
Recommendation for thawing	Recommended thaw into 2 well(s) 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	85% match to donor Sex match to donor	Allele data recorded and available upon request. Gender match to donor.
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable



In case of queries, please get in touch via Contact@EBiSC.org

STBCi006-A-1.P002.CoA.v2

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Test	Assay	Acceptance Criteria	Result
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical PSC colonies 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: Pass Mesoderm: Pass Ectoderm: Pass
Genomic Stability	G-Banding (10- 20 successful karyotypes recorded)	Sex match to donor.	46, XX
Genetic Modification	Sanger sequencing at locus 19q13.32	Match to reported modification	Pass, confirmed by depositor

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

Approved CoA

Signature

T. J. J. J.

Date

02.07.2024