Certificate of Analysis (CoA)
for induced Pluripotent Stem Cells

This product is for research only

EBiSC
European Bank for induced pluripotent Stem Cells

Cell Line Name	SIGi001-A-11	Batch / Lot Number	M001

Reprogramming Method	Integrating Retrovirus (POU5F1, SOX2, MYC and KLF4)		
Genetic Modification	Isogenic modification MAPT (EX10 P301S, heterozygous; EX10 + 16 bp = C -> T, heterozygous)		
Passage Number	37	Cell number / vial	2,46 x10^6
Culture Matrix	Matrigel™ / Geltrex™	Culture Medium	mTeSR™-1
O_2 Concentration	21%	CO_2 Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at first passage
Cryopreservation Medium	40% FBS*/ 50% medium / 10% DMSO *Serum of Zone 1 origin		
Recommendation for thawing	Recommended thaw into 2X well(s) of a 6-well plate or per 10cm^2 OR Recommended thaw into 2X 60mm plate(s) 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
Vector clearance	RT-PCR	Silenced (Retroviral)	Pass
Sterility	Inoculation for microbiological growth	Not Detected	Pass by central facility
	Mycoplasma	Not Detected	Pass by central facility
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass by central facility
Cell Line Identity	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded by central facility and available upon request. Match to donor

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Test	Assay	Acceptance Criteria	Result
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical PSC colonies with low to medium differentiation levels
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% +	Pass by central facility
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm: Detected Mesoderm: Detected Ectoderm: Detected by central facility
Genomic Stability	G-Banding (10-20 successful karyotypes recorded)	Sex match to donor	46,XX [17]/ 47,XX,+12[2]/ 48,XXX,+22[1] by central facility
	Karyolite BoBs	N/A	No chromosomal abnormalities detected by central facility
Genetic Modification	Sanger sequencing at locus MAPT 17q21.31	Match to reported modification	Pass

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

Approved CoA Signature A. Juarez Date 03-08-2026