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	BIONi010-C-53	Batch / Lot Number	P001

Reprogramming Method	Non integrating episomal vector (OCT3/4, SOX2, cMYC, LIN28, SHP53 and KLF4)		
Genetic Modification	Isogenic modification APOE (APOE3/3 homozygous)		
Passage Number	36	Cell number / vial	1-2x10E6
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 thaw
Cryopreservation Medium	40% FBS*/ 50% medium / 10% DMSO *Serum of Zone 1 origin		
Recommendation for thawing	Recommended thaw into 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
Sterility	Inoculation for microbiological growth	Not Detected	Pass
	Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Absence of viral pathogens in other cell line clone from same donor
Cell Line Identity	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded and available upon request. First profile recorded for cell line, match to donor.
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical PSC colonies with low differentiation levels

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

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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	Trilineage 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.	No chromosomal abnormalities detected confirmed by depositor
Genetic Modification	Sanger sequencing at locus	Match to reported modification	Pass

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

Approved CoA Signature D. Jmann Date 06.03.2024