Certificate of Analysis (CoA)
for induced Pluripotent Stem Cells

This product is for research only

Cell Line Name	BIONi010-C-49	Batch / Lot Number	P001

Reprogramming Method	Non-integrating episomal vector		
Genetic Modification	Gene knock-in Doxycycline inducible aSNCA wt *This line contains the tetracycline transactivator m2rtTA under a human synapsin promoter on one allele of the AAVS1 locus and a cDNA of WT SNCA on the other allele. When differentiated to neurons, the m2rtTA will be expressed. DOX needs to be added to have SNCA-A53T expression. SNCA should then only be expressed in neurons.*		
Passage Number	27	Cell number / vial	1-2x10E6
Culture Matrix	Matrigel™ / Geltrex™	Culture Medium	mTeSR™-1
O_2 Concentration	20%	CO_2 Concentration	5%
Passaging Method	Enzyme-free cell dissociation	Additional Culture Information	N/A
Cryopreservation Medium	50% mTeSR1, 40% FBS*, 10% DMSO *Serum of Zone 1 origin		
Recommendation for thawing	Recommended thaw into 2 x 60mm plate(s) Refer to cell line user protocols for further guidance at www.EBiSC.org		
Additional Comments	Slow recovery after thaw, slow 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

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Test	Assay	Acceptance Criteria	Result
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 and pass for donor.
Viability	Visual Assessment	Growth to confluence post-thaw	Low, slow recovery
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical PSC colonies with low differentiation levels
	Flow Cytometry	SSEA-4 > 70% + SSEA-1 < 10% + POU5F1 > 70% + TRA-1-81 > 70% + SOX-2 > 70% +	Pass by depositor
Differentiation Potential	Trilineage differentiation and flow cytometry for trilineage markers	Up-regulation of germ layer markers	Endoderm: Pass by depositor Mesoderm: Pass by depositor Ectoderm: Pass by depositor
Genomic Stability	G-Banding (10- 20 successful karyotypes recorded)	Sex match to donor.	No chromosomal abnormalities detected
Genetic Modification	Sanger sequencing at locus AAVS1 PCR for Neo and Puro insertion	Match to reported modification Match to reported modification	c.157G (p. Ala53) Pass

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

Approved CoA **Signature** Anja Germann Digital unterschrieben von Anja Germann Datum: 2026.04.08 12:51:44 +02'00' **Date** _____