

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

Cell Line Name	DRICUi019-A	Batch / Lot Number	P001
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Reprogramming Method	Sendai CytoTune™ 2.0 (POU5F1, SOX2, MYC, and KLF4)		
Passage Number	Passage 14	Cell number / vial	1-2x10 ⁶
Culture Matrix	Matrigel™ / Geltrex™	Culture Medium	Advanced DMEM/F12 + GlutaMAX, Heparin, Ascorbic Acid-2-phosphate magnesium salt, HEPES, FGF-2 basic 145aa, TGF-beta Optional: mTeSR™-1
O ₂ Concentration	18%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at thaw / at cryopreservation / at passage
Cryopreservation Medium	60% ES qualified FCS* / 20% medium / 20% 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	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	Confirmed Pass by depositor
Cell Line Identity	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded and available upon request. Pass

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Test	Assay	Acceptance Criteria	Result
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	NANOG > 70% + TRA-1-60 > 70% +	Pass by depositor
Differentiation Potential	Trilineage differentiation and ICC for trilineage markers	Up-regulation of germ layer markers	Endoderm, Mesoderm, Ectoderm: Pass by depositor
Genomic Stability	SNP-Array	Sex match to donor.	No gross chromosomal abnormalities detected; pass by depositor

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

Approved CoA Signature _____ Date _____