

# Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

*This product is for research only*



ECACC Catalogue No: 66541163

Cell Line Name	CHDli029-A	Batch Number/Lot Number	M002
Reprogramming Method	Sendai (OCT3/4, SOX2, MYC, and KLF4)		
Passage Number	13	Cell number / vial	2 x 10 <sup>6</sup>
Culture Matrix	Matrigel™	Culture Medium	mTeSR™-1
Passaging Method	EDTA	Additional Culture Information	Rho kinase inhibitor used at thaw
Cryopreservation Medium	Cryostor CS10		
Recommendation for thawing	Recommended thaw into 60mm plates Refer to cell line user protocols for further guidance at <a href="http://www.EBiSC.org">www.EBiSC.org</a>		
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
<b>Sterility</b>	Inoculation for microbiological growth	Not Detected	Pass
	Mycoplasma testing	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Absence of viral pathogens detected in batch of origin
<b>Cell Line Identity</b>	STR / Fingerprinting	85% match to donor Sex match to donor	Allele data recorded and available upon request. Pass
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Acceptable
<b>Phenotype</b>	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
<b>Differentiation Potential</b>	Trilineage differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Pass Mesoderm : Pass Ectoderm : Pass

[www.EBiSC.org](http://www.EBiSC.org)



In case of queries, please contact [culturecollections.technical@phe.gov.uk](mailto:culturecollections.technical@phe.gov.uk). European Collection of Authenticated Cell Cultures (ECACC), Culture Collections, Public Health England, Tel: +44 (0) 1980 612684

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<b>Genomic Stability</b>	G-Banding (10 -20 successful karyotypes recorded)	Sex match to donor.	No chromosomal abnormalities detected

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

Approved CoA

Signature\_\_\_\_\_

Date\_\_\_\_\_

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