

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

ECACC Catalogue No: 66540024

Cell Line Name	RCi004-A Alternative name: RCi150	Batch Number	P001
Donor ID	hFB143		
Disease Association	Huntington's Disease	Phenotype of Donor	Affected
Tissue of Origin	Dermal fibroblasts	Sex	Female
Reprogramming Method	Episomal Vector (POU5F1, SOX2, KLF4, MYC, SHP53, LIN28)		
Passage Number	Passage 15	Cell number / vial	1.5 x 10 ⁶
Culture Matrix	Geltrex/Matrigel	Culture Medium	mTeSR-1
O ₂ Concentration	20%	CO ₂ Concentration	5%
Passaging Method	EDTA	Additional Culture Information	NA
Cryopreservation Medium	40% FBS*/ 50% medium / 10% DMSO *Serum of Zone 1 origin		
Recommendation for thawing	Recommended thaw into 2 wells of a 6-well plate or per 10cm ² Refer to cell line user protocols for further guidance at www.EBiSC.org		
Additional Comments	Typical recovery after thaw, typical growth to confluency		
Associated Publications	NA		

Please see www.EBiSC.org for further information on Quality Control 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
	qPCR for Mycoplasma	Not Detected	Pass
	Virology (HBV, HCV, HIV1, HIV2)	Not Detected	Pass
Cell Line Identity	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Match to donor
Viability	Visual Assessment	Growth to confluence post-thaw	Acceptable

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Test	Assay	Acceptance Criteria	Result
Phenotype	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC morphology with low level of differentiation
	Flow Cytometry	SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% +	Pass
Differentiation Potential	Spontaneous EB differentiation and qPCR for trilineage markers	Up-regulation of germ layer markers	Endoderm : Detected Mesoderm : Detected Ectoderm : Detected

Additional cell line characteristics have been determined by original reprogramming centres and have not been independently verified by EBISC. Historical cell line data displayed here is accurate according to data provided by depositors on 15-OCT-2015

Test	Assay	Result
Phenotype	Flow Cytometry	Positive Expression of POU5F1, SSEA-4, TRA-1-60, low expression of SSEA-1
Karyotype	G-Banding	Modal karyotype in 18 cells showed abnormal female complement, seven cells showed normal female chromosome complement, five anomalous cells
Clearance of Reprogramming Factors	Endpoint PCR for episomal backbone	EBNA episomal backbone not detected

The following guidance can be found in the Instructions for Use	
Intended use	Expiry Date
Product Format	Recommended storage conditions
Volume	Hazardous Information

Approved CoA

Signature

Date

03 feb 2016



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