

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

*This product is for research only*

ECACC Catalogue No: 66540594

Cell Line Name	UKBi011-A	Batch Number	P001
Donor ID	AD-169bm s24		
Disease Association	Alzheimer's disease	Phenotype of Donor	Affected
Tissue of Origin	PBMC	Sex	Male
Reprogramming Method	Non-integrating Sendai virus (KLF4, MYC, POU5F1, SOX2)		
Passage Number	Passage 31	Cell number / vial	1-2x10 <sup>6</sup>
Culture Matrix	Gelxtrex/Matrigel	Culture Medium	StemMACS iPS-Brew XF
O <sub>2</sub> Concentration	21%	CO <sub>2</sub> Concentration	5%
Passaging Method	EDTA	Additional Culture Information	N/A
Cryopreservation Medium	90% medium / 10% DMSO		
Recommendation for thawing	Recommended thaw into 2 wells of a 6-well plate or per 10cm <sup>2</sup> 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		
Associated Publications	N/A		

Please see [www.EBiSC.org](http://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
<b>Sterility</b>	Inoculation for microbiological growth	Not Detected	Pass
	qPCR for Mycoplasma	Not Detected	Pass
<b>Cell Line Identity</b>	Short Tandem Repeat analysis using PCR	N/A	Allele data recorded and available upon request. Gender match to donor
<b>Viability</b>	Visual Assessment	Growth to confluence post-thaw	Acceptable
<b>Phenotype</b>	Continuous visual assessment of iPSC colony morphology	Recorded	Typical iPSC colonies with low to medium differentiation levels

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Test	Assay	Result
Genetic Defect	Sanger Sequencing	Confirmation of APOE4/4 genotype
Phenotype	Immunocytochemistry	Positive expression of POU5F1, SSEA-3, TRA-1-60 and TRA-1-81
Sterility	Inoculation for Microbial Growth	Not Detected
Virology	PCR (HIV, HBV, HIV1, HIV2)	Negative
Karyotype	SNP Karyotyping	Normal
Cell Line Identity	STR	Match to donor tissue
Clearance of Reprogramming Factors	RT-PCR	No expression of reprogramming factors

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

**Signature**

Date \_\_\_\_\_

27 July 18



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