

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only



ECACC Catalogue No: 66540176

| | | | |
|------------------------------|---|--------------------------------|---------------------|
| Cell Line Name | UNEWi021-C | Batch / Lot Number | P001 |
| Reprogramming Method | Sendai CytoTune™ 2.0 (OCT3/4, SOX2, cMYC, and KLF4) | | |
| Passage Number | Passage 12 | Cell number / vial | 2 x 10 ⁶ |
| Culture Matrix | Matrigel™ / Geltrex™ | Culture Medium | mTeSR™-1 |
| O ₂ Concentration | 21% | CO ₂ Concentration | 5% |
| Passaging Method | EDTA | Additional Culture Information | None |
| Cryopreservation Medium | 40% FBS* / 50% medium / 10% DMSO *Serum of Zone 1 origin | | |
| Recommendation for thawing | Recommended thaw into 1 well 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 | | |

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 | Pass by depositor |
| Cell Line Identity | STR / Fingerprinting | N/A | Allele data recorded and available upon request. Match to donor |
| Viability | Visual Assessment | Growth to confluence post-thaw | Acceptable |
| Phenotype | Continuous visual assessment of iPSC colony morphology | Recorded | Typical PSC colonies with low to medium differentiation levels |
| | Flow Cytometry | SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% + | Pass by depositor |
| Differentiation Potential | Spontaneous EB differentiation and qPCR for trilineage markers | Up-regulation of germ layer markers | Endoderm: Pass by depositor Mesoderm: Pass by depositor Ectoderm: Pass by depositor |



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

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

Approved CoA Signature *P. J. J. J.* Date 19.07.2021



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