

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

*This product is for research only*

ECACC Catalogue No: 66540083

|                              |   |                                |   |
|------------------------------|---|--------------------------------|---|
| Cell Line Name               | WTSli013-A  | Batch Number                   | P001                                      |
| Donor ID                     | HPSI-kucg   |                                |   |
| Alternative Cell line Name   | HPSI0214i-kucg_2  |                                |   |
| Disease Association          | No disease association  | Phenotype of Donor             | Unaffected control                        |
| Tissue of Origin             | Fibroblasts of Dermis   | Sex                            | Male                                      |
| Reprogramming Method         | Non integrating Sendai virus (POU5F1, SOX2, KLF4, MYC)  |                                |   |
| Passage Number               | Passage 28  | Cell number / vial             | 1-2x10 <sup>6</sup>                       |
| Culture Matrix               | Vitronectin   | Culture Medium                 | mTeSR-E8                                  |
| O <sub>2</sub> Concentration | 20%   | CO <sub>2</sub> Concentration  | 5%  |
| Passaging Method             | EDTA  | Additional Culture Information | Use of Rock inhibitor for 24hrs post thaw |
| Cryopreservation Medium      | Knock out serum replacement with 10% DMSO   |                                |   |
| Recommendation for thawing   | Recommended thaw into 1 well of a 6-well plate or per 10cm <sup>2</sup><br>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  |
|                           | Virology (HBV, HCV, HIV1, HIV2)        | Not Detected                   | Pass  |
| <b>Cell Line Identity</b> | Short Tandem Repeat analysis using PCR | N/A                            | Allele data recorded and available upon request.<br>Gender match to donor |
| <b>Viability</b>          | Visual Assessment                      | Growth to confluence post-thaw | Acceptable  |

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



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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| Test      | Assay  | Acceptance Criteria  | Result  |
|-----------|--|--|---|
| Phenotype | Continuous visual assessment of iPSC colony morphology | Recorded   | Typical iPSC colonies with low differentiation levels |
|           | Flow Cytometry   | SSEA-4 > 70% +<br>TRA-1-60 > 70% +<br>SSEA-1 < 10% +<br>POU5F1 > 70% + | Pass  |

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 31-May-2016

| Test                               | Assay              | Result |
|------------------------------------|--------------------|--------|
| Clearance of Reprogramming Factors | rtPCR              | Pass   |
| Stem cell marker expression        | Pluritest          | Pass   |
| Sterility                          | PCR for Mycoplasma | Pass   |
| Cell line identity                 | Fluidigm           | Pass   |

| 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

01 June 2016