



### Certificate of Analysis for HipSci iPSC

|   |  |                                       |                   |
|---|--|---------------------------------------|-------------------|
| <b>Cell Line Name</b>                   | HPSI0413i-ougl_1   | <b>Culture and Passaging Methods.</b> | Feeder Dependant* |
| <b>Biosample ID</b>                     | SAMEA2398316   | <b>Catalogue No.</b>                  | 77650110          |
| <b>Reprogramming Method</b>             | CytoTune® 1  | <b>Lot.</b>                           | 20.8.14           |
| <b>Disease Association</b>              | Normal   | <b>Donor Cell Material</b>            | Skin tissue       |
| <b>Gender</b>                           | Male   | <b>Passage No.</b>                    | p24               |
| <b>Associated Data and Publications</b> | <a href="http://www.hipsci.org/lines/#/lines">http://www.hipsci.org/lines/#/lines</a><br><a href="http://www.ebi.ac.uk/biosamples/browse_samples.html?keywords=hipsci">http://www.ebi.ac.uk/biosamples/browse_samples.html?keywords=hipsci</a> |                                       |                   |

The following standard testing criteria have been determined within CGaP, prior to release of this product:

| Test                                      | Assay   | Result  |
|---|---|---|
| <b>Confirmed Sterility</b>                | PCR for Mycoplasma                                      | Pass  |
| <b>Cell Line Identity</b>                 | Fluidigm  | Pass  |
| <b>Viability post-thaw</b>                | Growth to confluence post-thaw                          | Pass  |
| <b>Morphology</b>                         | Continuous visual assessment of iPSC colony morphology. | Pass  |
| <b>Stem Cell Marker Expression</b>        | Pluri test  | Pass<br><a href="http://www.hipsci.org/lines/#/lines/HPSI0413i-ougl_1">http://www.hipsci.org/lines/#/lines/HPSI0413i-ougl_1</a> |
| <b>Clearance of Reprogramming Factors</b> | rtPCR analysis  | Pass  |

\*These Cell lines were cultured in media containing Pen/Strep.

Acceptable for release: Signed  Date 15/12/16  
Project Lead

Agreed by: Signed  Date 16/12/16  
Head of Operations