




Certificate of Analysis for HipSci iPSC

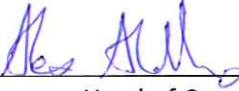
| | | | |
|---|--|---------------------------------------|-------------------|
| Cell Line Name | HPSI0513i-cuau_2 | Culture and Passaging Methods. | Feeder dependent* |
| Biosample ID | SAMEA2399112 | Catalogue No. | 77650222 |
| Reprogramming Method | CytoTune 1 | Lot. | 23.07.14 |
| Disease Association | Normal | Donor Cell Material | Skin tissue |
| Gender | Female | Passage No. | p27 |
| Associated Data and Publications | http://www.hipsci.org/lines/#/lines http://www.ebi.ac.uk/biosamples/browse_samples.html?keywords=hipsci | | |

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

| Test | Assay | Result |
|------------------------------------|---|---|
| Confirmed Sterility | PCR for Mycoplasma | Pass |
| Cell Line Identity | Fluidigm | Pass |
| Viability post-thaw | Growth to confluence post-thaw | Pass |
| Morphology | Continuous visual assessment of iPSC colony morphology. | Pass |
| Stem Cell Marker Expression | Pluri test | Pass http://www.hipsci.org/lines/#/lines/HPSI0513i-cuau_2 |
| Clearance of Reprogramming Factors | rtPCR analysis | Pass |

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

Acceptable for release: Signed  Date 13/04/16
Project Lead

Agreed by: Signed  Date 14/4/16
Head of Operations