



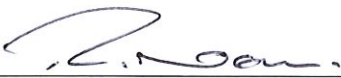
Certificate of Analysis for HipSci iPSC

| | | | |
|---|--|---------------------------------------|--------------|
| Cell Line Name | HPSI0616i-kulz_6 | Culture and Passaging Methods. | Feeder Free* |
| Biosample ID | SAMEA17506918 | Catalogue No. | 77650582 |
| Reprogramming Method | CytoTune 2 | Lot. | 26.10.16 |
| Disease Association | Bleeding and platelet disorders | Donor Cell Material | Skin tissue |
| Gender | Female | Passage No. | 13 |
| Associated Data and Publications | http://www.hipsci.org/lines/#/lines http://www.ebi.ac.uk/biosamples/browse_samples.html?keywords=hipsci | | |

| 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/HPSI0616i-kulz_6 |
| Clearance of Reprogramming Factors | rtPCR analysis | Pass |

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

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

Acceptable for release: Signed  Date 7/4/17
Project Lead

Agreed by: Signed  Date 7/4/17
Head of Operations