




### Certificate of Analysis for HipSci iPSC

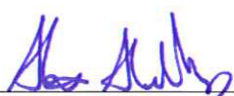
<b>Cell Line Name</b>	HPSI0514i-pulk_1	<b>Culture and Passaging Methods.</b>	Feeder free*
<b>Biosample ID</b>	SAMEA3282740	<b>Catalogue No.</b>	77650349
<b>Reprogramming Method</b>	CytoTune 1	<b>Lot.</b>	19.6.15
<b>Disease Association</b>	Monogenic Diabetes	<b>Donor Cell Material</b>	Skin tissue
<b>Gender</b>	Female	<b>Passage No.</b>	20
<b>Associated Data and Publications</b>	<a href="http://www.hipsci.org/lines/#/lines">http://www.hipsci.org/lines/#/lines</a> <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
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 <a href="http://www.hipsci.org/lines/#/lines/HPSI0514i-pulk_1">http://www.hipsci.org/lines/#/lines/HPSI0514i-pulk_1</a>
Clearance of Reprogramming Factors	rtPCR analysis	Pass

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

Acceptable for release: Signed  Date 5/7/16  
Project Lead

Agreed by: Signed  Date 6/7/16  
Head of Operations