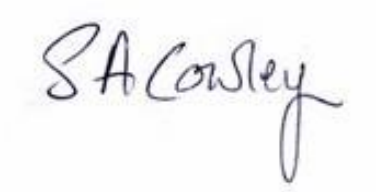
Certificate of analysis

SFC855-03-08

Operator: C Browne Date: 01/07/15

Supervisor: Sally Cowley Date: 16.09.2015

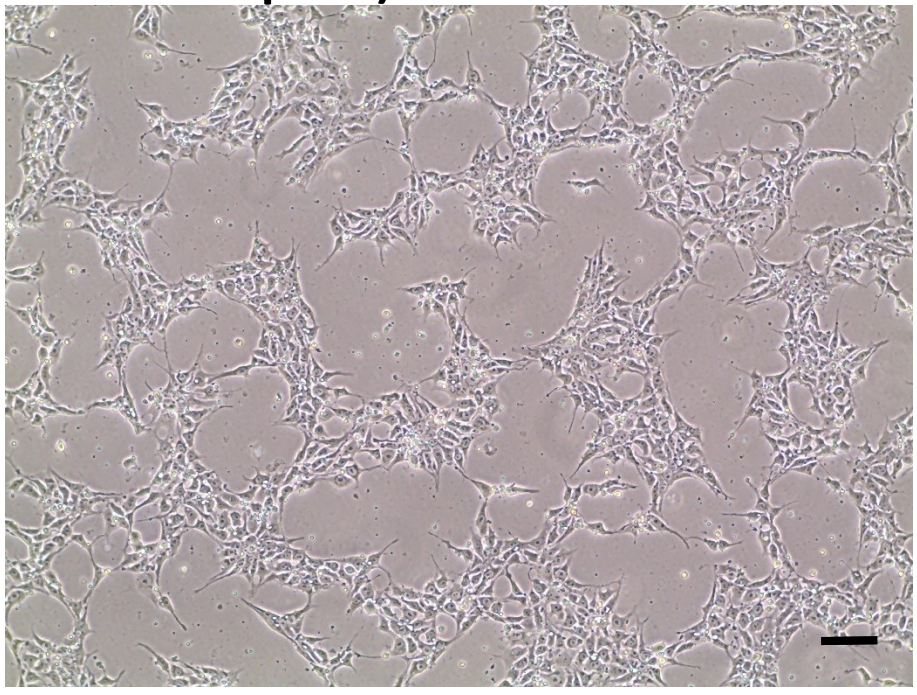
Signature: 

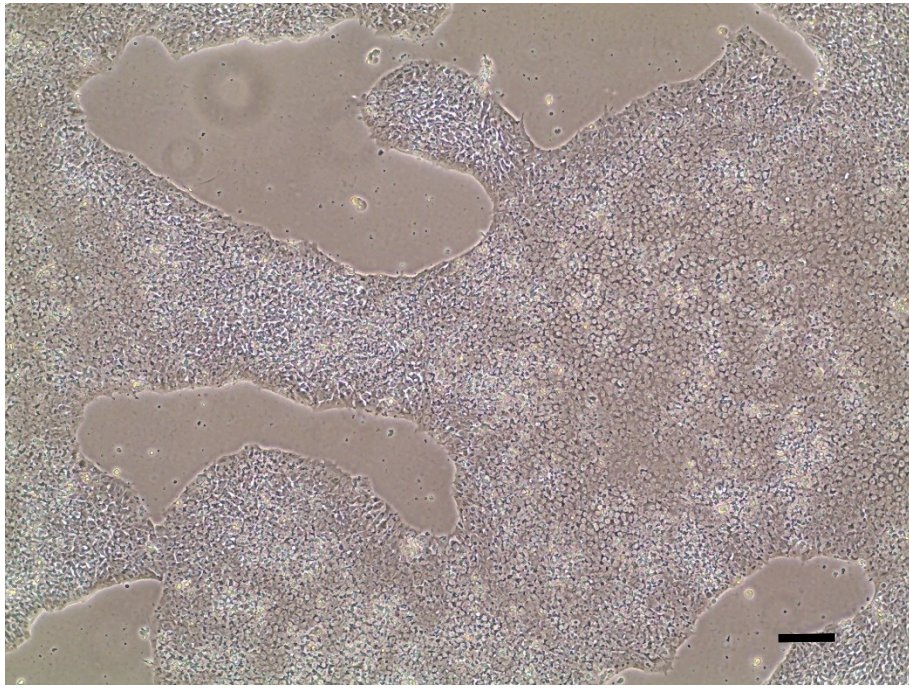
Source of fibroblasts and reprogramming information

- SF855 from Oxford University Hospitals 10/02/14
- Reprogrammed at UOXF JMSCF CB
- Reprogrammed on 05/09/14 at passage 4
- Cytotune v1 WP3 SOP10

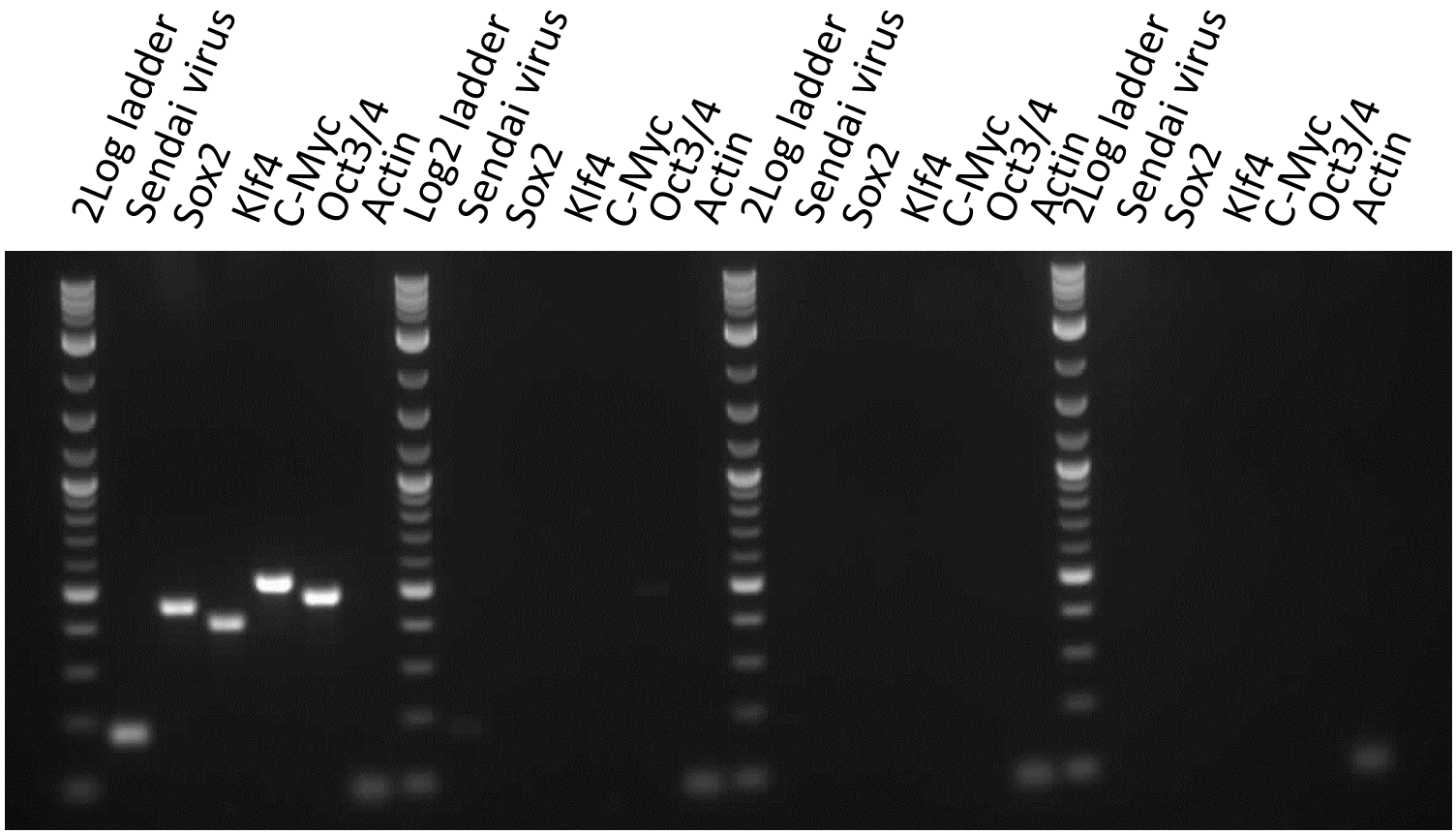
Viability post-thaw and Morphology according to SOP19 passage 14

- Cell count immediately post-thaw 2.61 x 10^6
- Viability immediately post-thaw 83%
- Photo at 24h & day 6 post-thaw (scale bar = 100µm):





Sendai clearance: according to WP3 SOP15 undetectable at passage 14



+ control SFC855-03-01 SFC855-03-06 **SFC855-03-08**

Product sizes: SeV 181bp; SeV-Sox 451bp; SeV-Klf 410bp; SeV-Myc 532bp; SeV-Oct 483bp; Actin 92bp

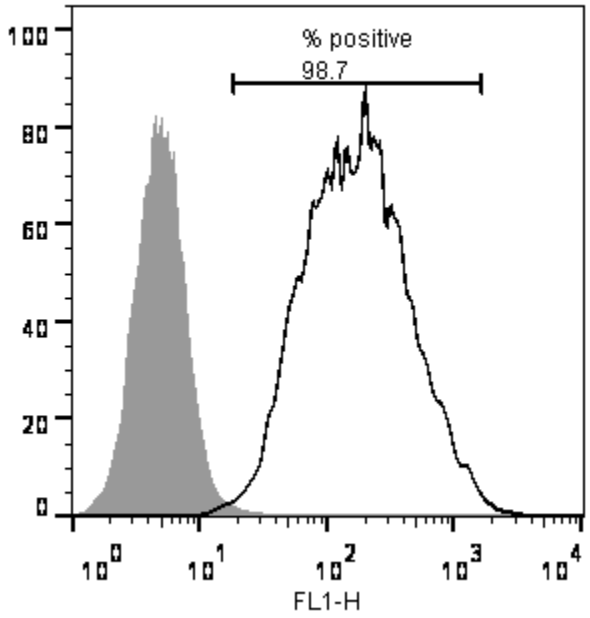
Mycoplasma Test:
According to MycoAlert Lonza LT07-318 undetectable at passage 14

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				8.539	88.04	**10.31**
-ve control				9.475	0.883	**0.09**
6	SFC855-03-08	p14	CB	6.776	2	**0.30**

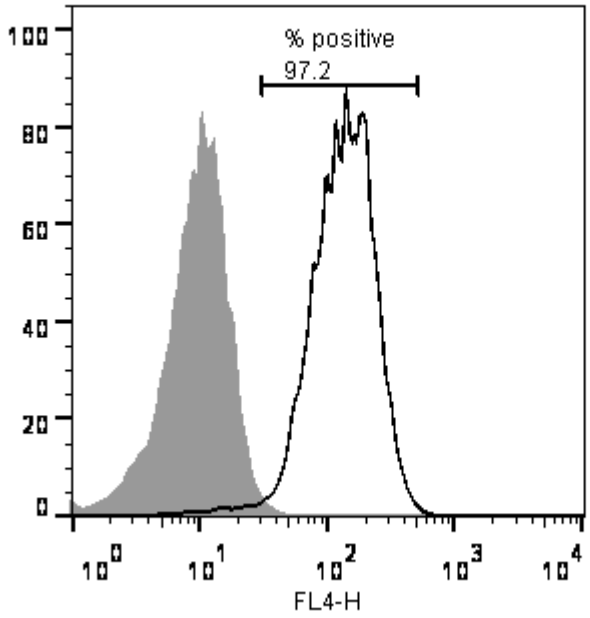
Results mean
Ratio **0 - 0.999** negative for mycoplasma
Ratio **1 – 1.3** Borderline Result (retest required)
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage p14

Tra-1-60:



NANOG:



SNP analysis
according to WP3 SOP Preparation of DNA and RNA samples for Illumina arrays

- Passage 14
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB