



Certificate of analysis

SFC842-03-02

Operator: Olga Perestenko Date: 22/07/2015

Supervisor: Sally Cowley Date: 16.09.2015

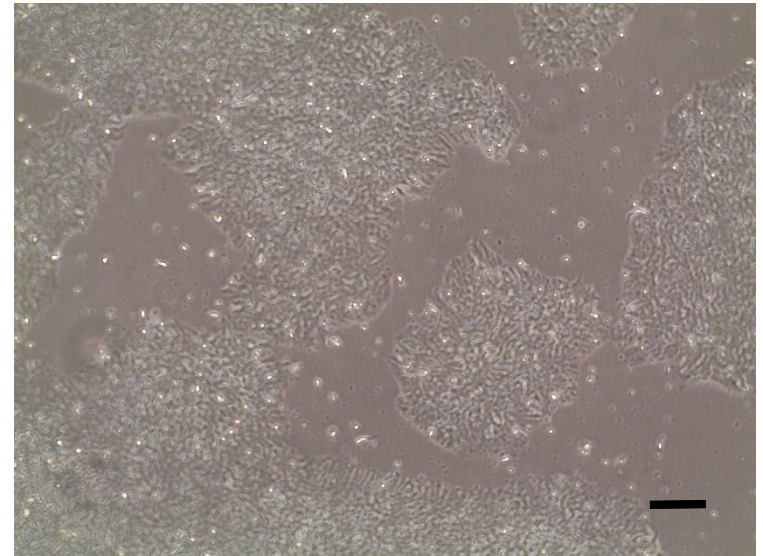
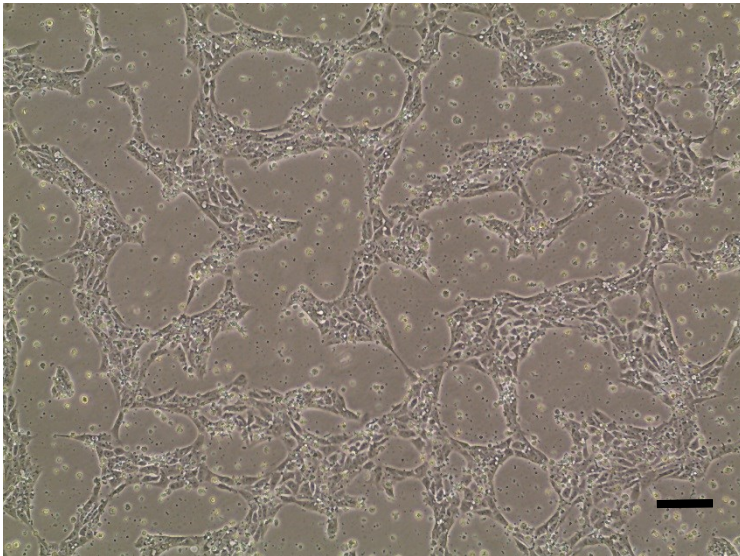
Signature: 

Source of fibroblasts and reprogramming information

- SF842 from Oxford University Hospitals
18/06/2014
- Reprogrammed at UOXF S
- Reprogrammed on 05/09/2014 at passage 2.
- Cytotune v1 WP3 SOP10

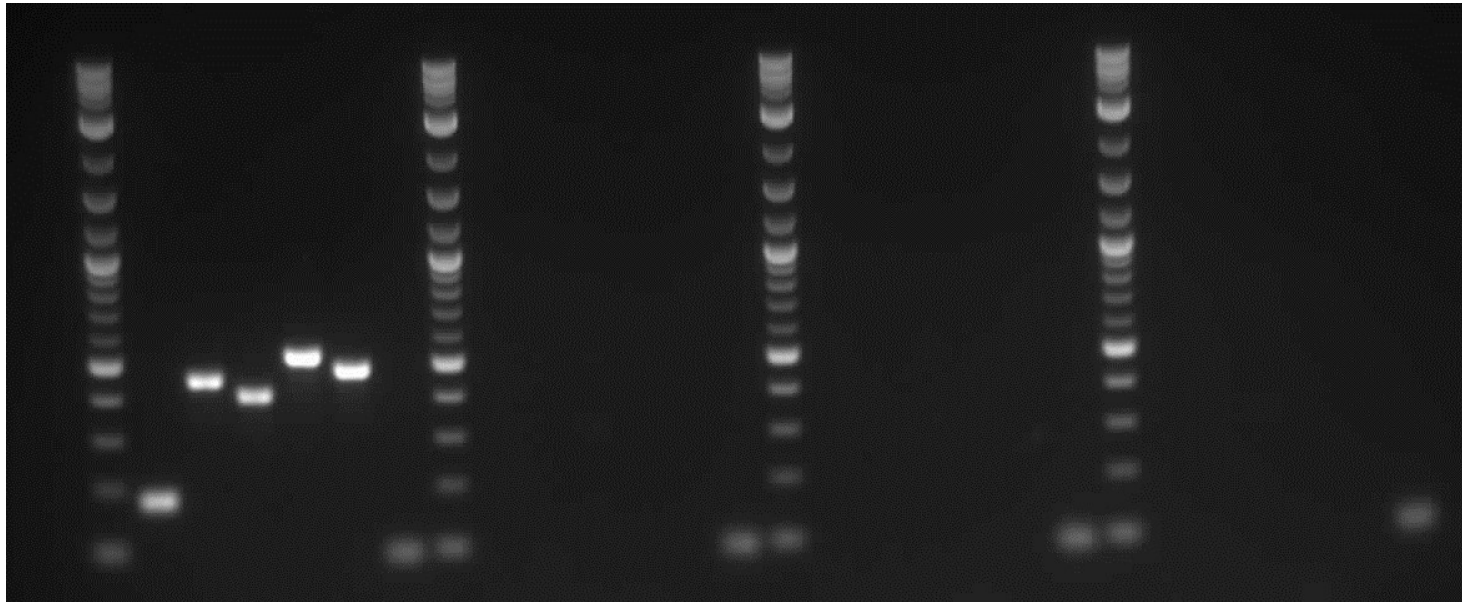
Viability post-thaw and Morphology according to SOP19 passage 9+6

- Cell count immediately post-thaw 2.52×10^6
- Viability immediately post-thaw **75.3%**
- Photo at 24h & day 6 post-thaw (scale bar =100 μ m):



Sendai clearance: according to WP3 SOP15 undetectable at passage 15

2Log ladder
Sendai virus
Sox2
Klf4
C-Myc
Oct3/4
Actin
2Log ladder
Sendai virus
Sox2
Klf4
C-Myc
Oct3/4
Actin
2Log ladder
Sendai virus
Sox2
Klf4
C-Myc
Oct3/4
Actin
2Log ladder
Sendai virus
Sox2
Klf4
C-Myc
Oct3/4
Actin



+ control

SFC081-03-04

SFC842-03-02

SFC842-03-07

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 15

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				15.74	104.3	6.63
-ve control				9.052	0.31	0.03
1	SFC842-03-02	P9+6	OP	4.906	2.147	0.44

Results mean

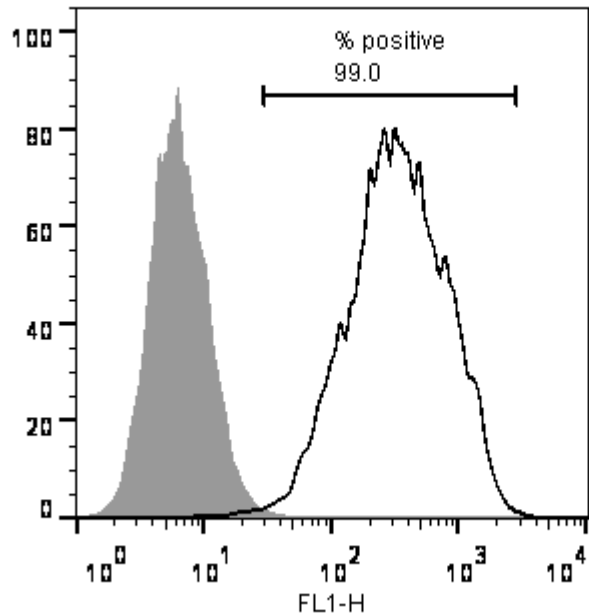
Ratio **0 - 0.999** negative for mycoplasma

Ratio **1 – 1.3** Borderline Result (retest required)

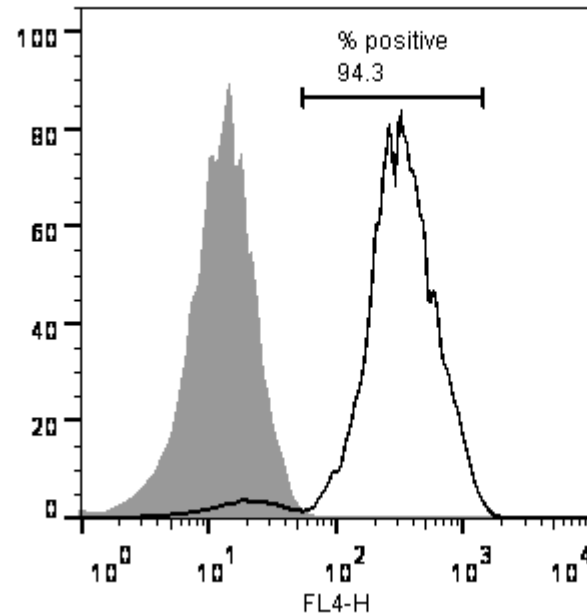
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage p16

Trp 1 60.



MANOC.



SNP analysis

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

- Passage 15
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected or describe vs fibroblasts
- For details and raw data see StemDB