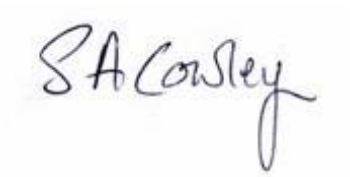
Certificate of analysis

SFC842-03-07

Operator: Olga Perestenko Date: 22/07/2015

Supervisor: Sally Cowley Date: 16.09.2015

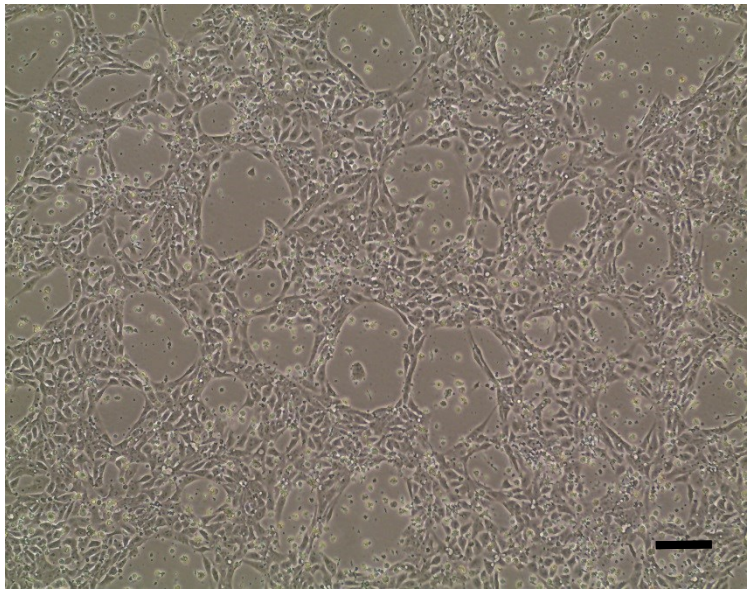
Signature: 

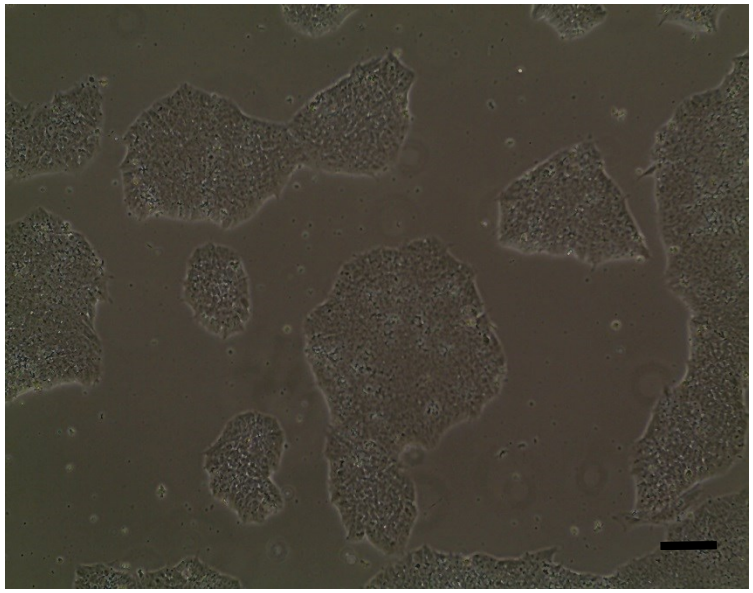
Source of fibroblasts and reprogramming information

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

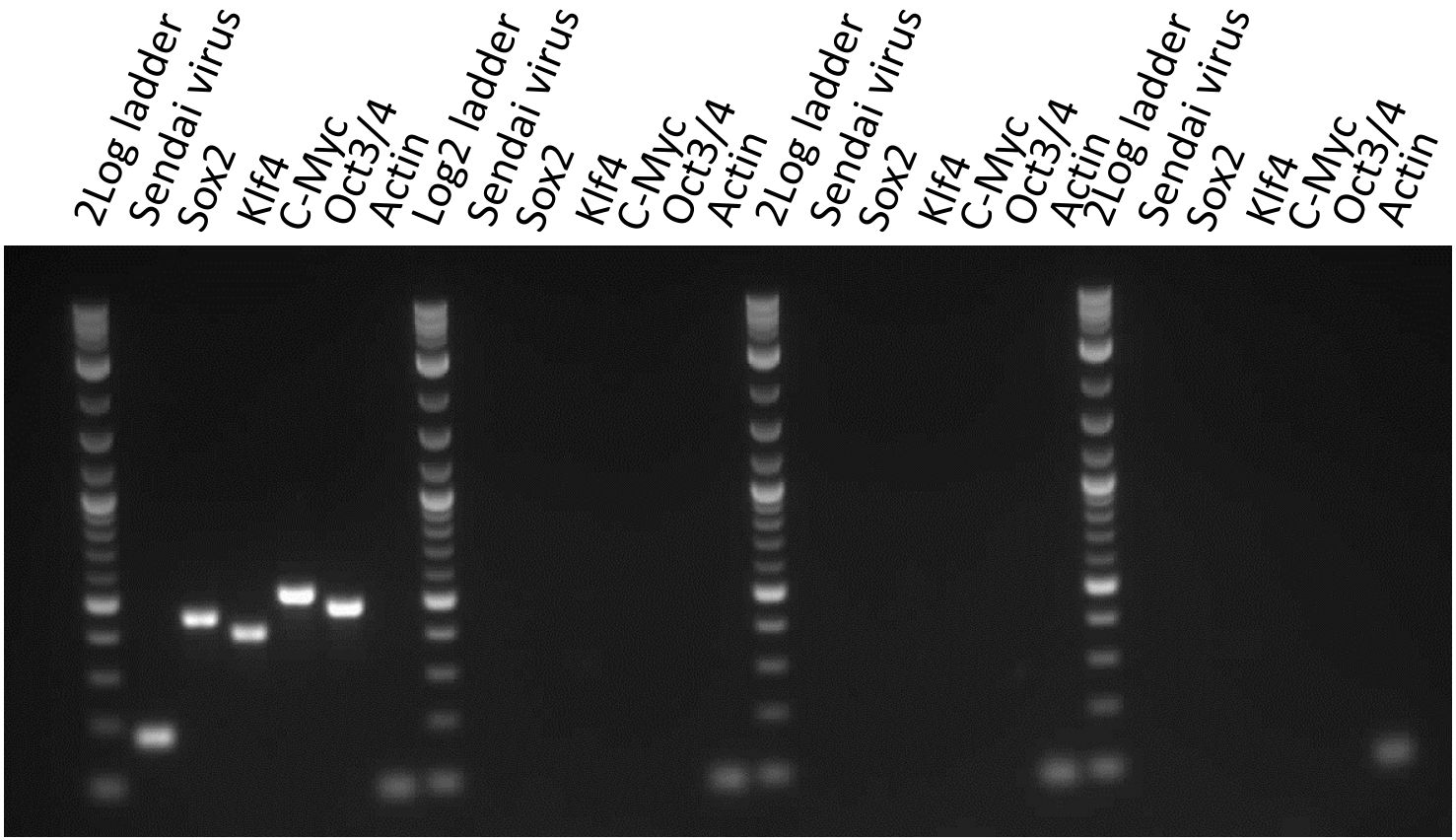
Viability post-thaw and Morphology according to SOP19 passage 20

- Cell count immediately post-thaw 1.78 x 10^6
- Viability immediately post-thaw 71%
- Photo at 24h & day 4 post-thaw (scale bar = 100µm):





Sendai clearance: according to WP3 SOP15 undetectable at passage 20



+ 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

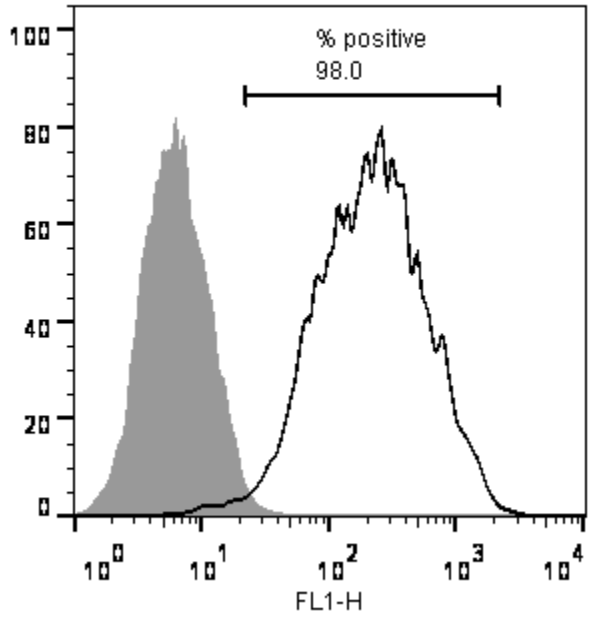
Mycoplasma Test:
According to MycoAlert Lonza LT07-318 undetectable at passage 20

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**
2	SFC842-03-07	P15+5	OP	2.914	1.025	**0.35**

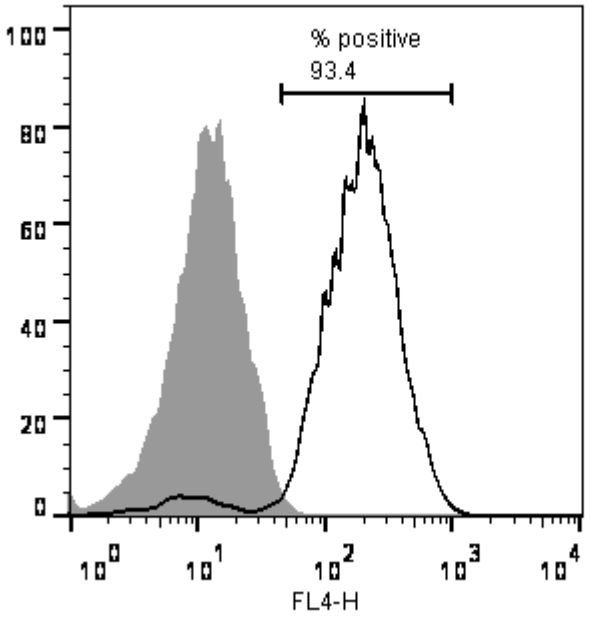
Results mean
Ratio **0 - 0.999** negative for mycoplasma
Ratio **1 – 1.3** Borderline Result (retest required)
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage p21

Tra-1-60:



NANOG:



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

- Passage 20
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB