



Certificate of analysis

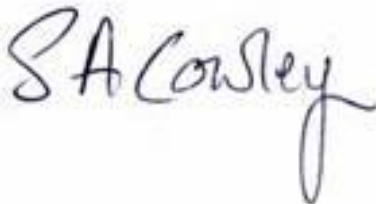
SFC840-03-05

Operator: Lily Couper

Date: 22/09/14

Supervisor: Sally Cowley

Date: 22/04/2015

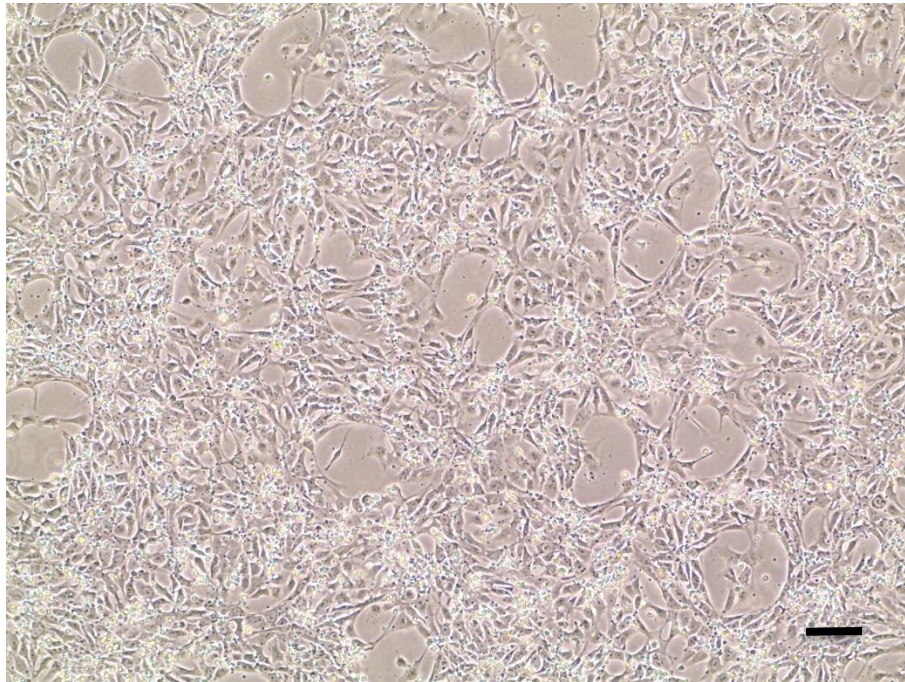
Signature: 

Source of fibroblasts and reprogramming information

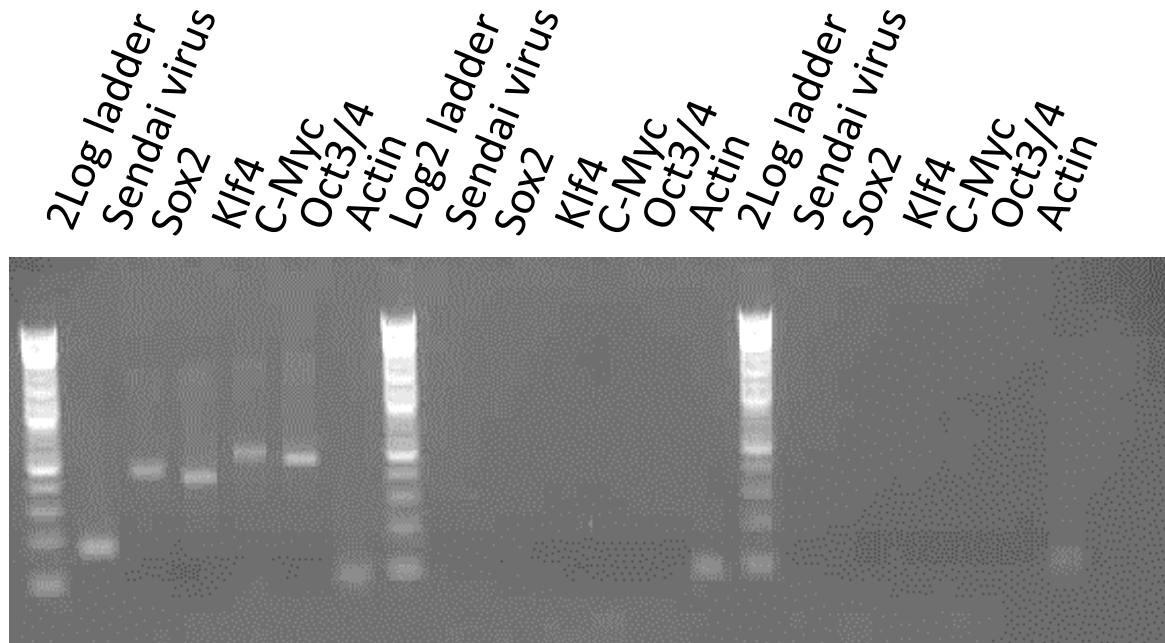
- SF840 from UOXF 04/04/2011
- Reprogrammed at UOXF JMSCF JV
- Reprogrammed on 13/12/12 at p5
- Cytotune v1 WP3 SOP10

Viability post-thaw and Morphology according to SOP19 passage 17

- Cell count immediately post-thaw 4.05×10^6
- Viability immediately post-thaw 61.1%
- Photo at 24h post-thaw (scale bar = $100\mu\text{m}$):



Sendai clearance: according to WP3 SOP15 undetectable at passage 17



+ control

SFC840-03-05

SFC840-03-06

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 18

Sample	Passage	Initials	Reading 1	Reading 2	Ratio / Status
+ve Control			8.393	242.18	28.85
-ve Control			10.388	0.908	0.087
SFC840-03-05	p18	CB	4.637	0.937	0.202

Results mean

Ratio **0 - 0.999** negative for mycoplasma

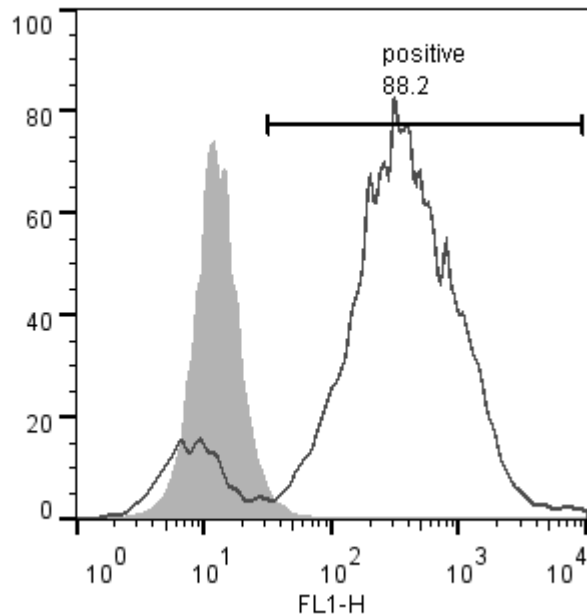
Ratio **1 – 1.3** Borderline Result (retest required)

Ratio above **1.3** positive for mycoplasma

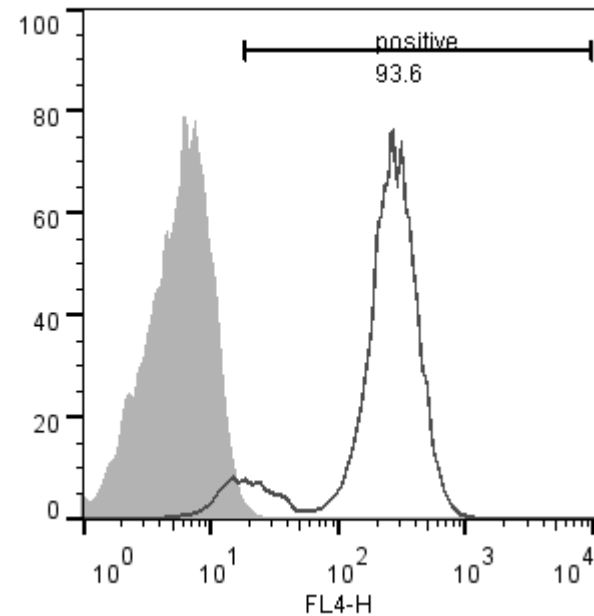
Flow cytometric analysis according to WP3 SOP 20 and 21 passage 17

NB some differentiation evident – advise careful
cleanup of this line for initial few passages

Tra-1-60:



NANOG:



SNP analysis

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

- Passage 17
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected by StemDB pipeline, *though Karyostudio analysis shows 6 small changes (SC 08.06.2015 edit)*
- For details and raw data see StemDB