



Certificate of analysis

SFC840-03-03

Operator: Jane Vowles

Date: 08/01/2015

Supervisor: Sally Cowley

Date: 22/04/2015

Signature:

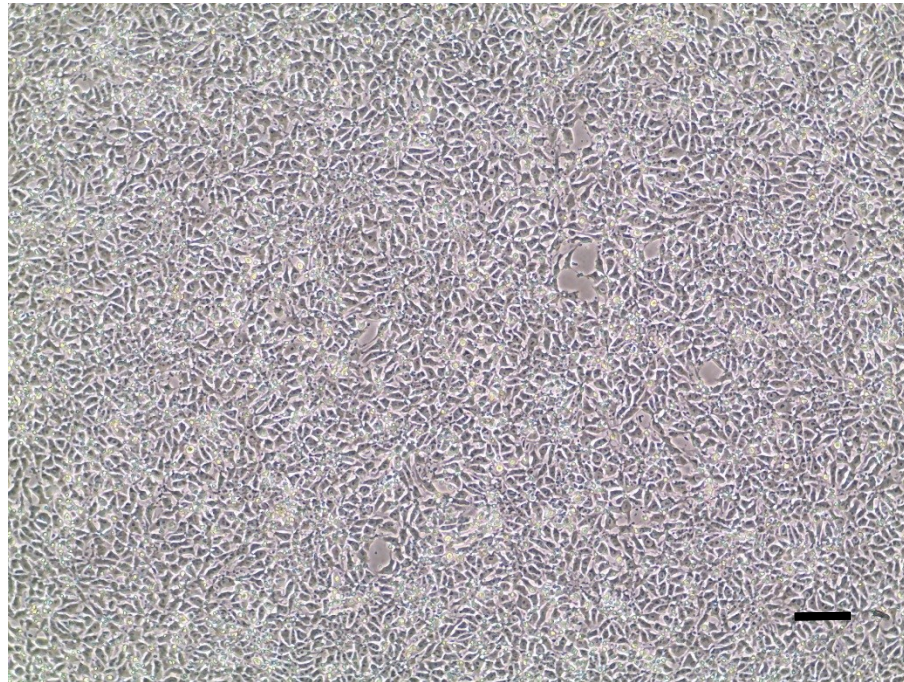
SACowley

Source of fibroblasts and reprogramming information

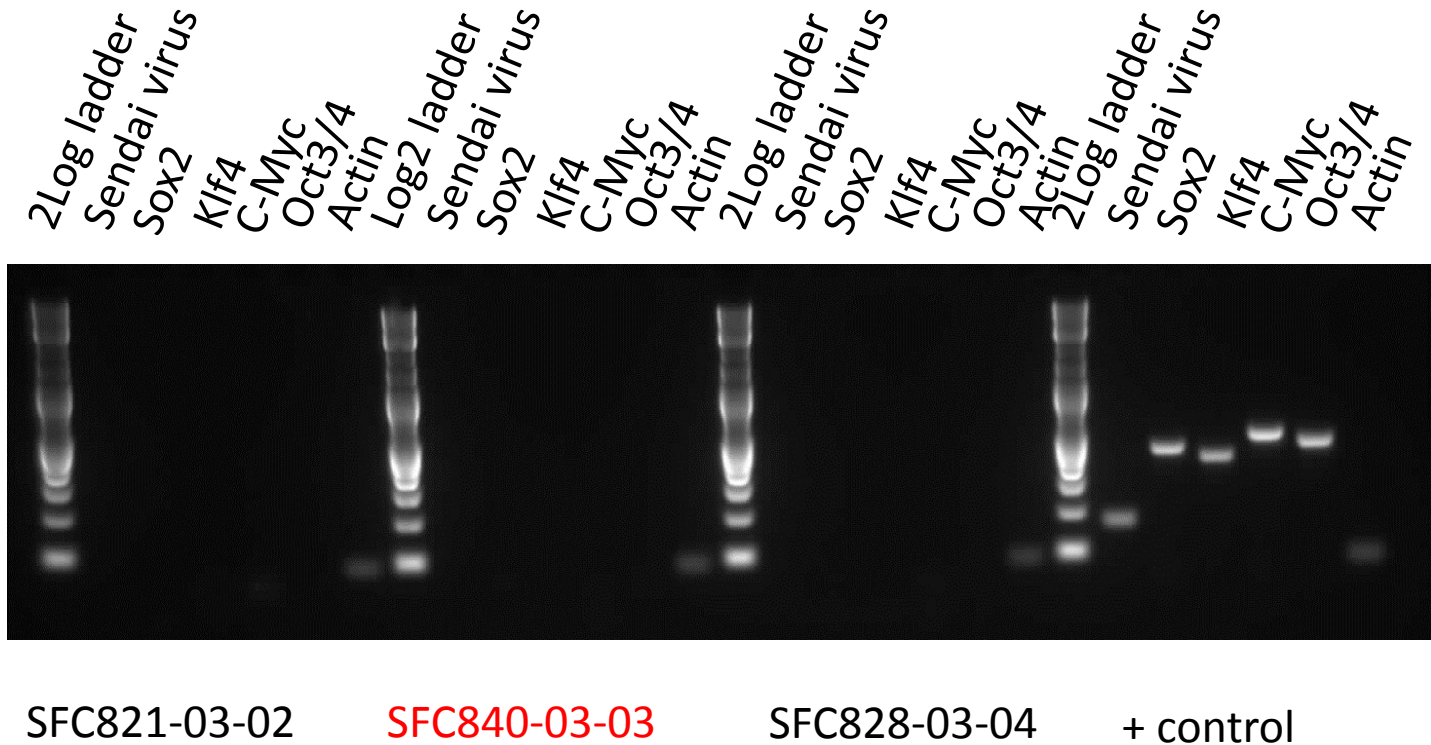
- SF840 from UOXF 04/04/2011
- Reprogrammed at UOXF JMSCF
- Reprogrammed on 13/12/2012 at passage 5
- Cytotune v1 WP3 SOP10

Viability post-thaw and Morphology according to SOP19 passage 19

- Cell count immediately post-thaw 4.6×10^6
- Viability immediately post-thaw 80.3%
- Photo at 24h post-thaw (scale bar = $100\mu\text{m}$):



Sendai clearance: according to WP3 SOP15 undetectable at p19



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

Mycoplasma test:

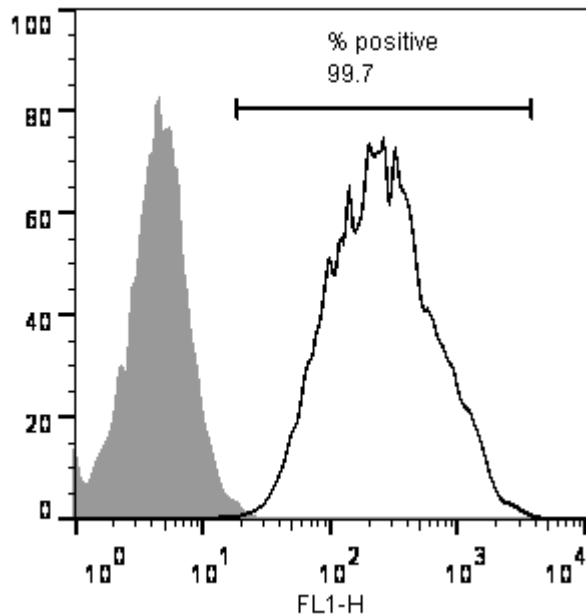
According to MycoAlert Lonza LT07-318

Undetectable at passage 17

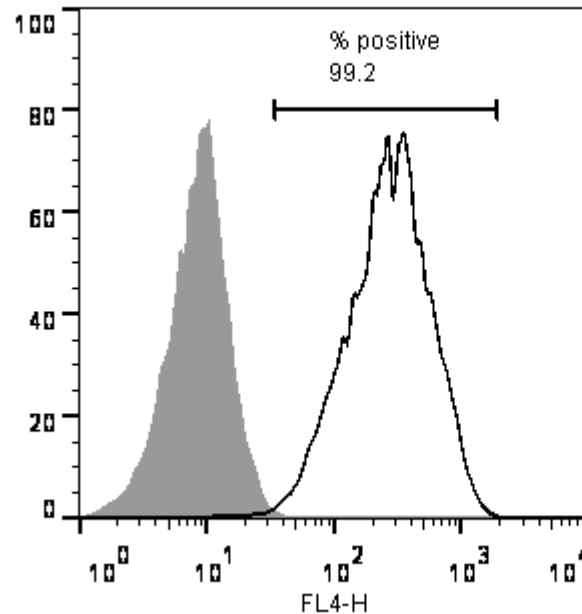
Sample	Operator	Passage No.	Reading 1	Reading 2	Ratio / Status
+ve Control			8.602	247.2	28.74
-ve Control			10.10	1.118	0.111
1. SFC 840-03-03	JV	p17	3.125	1.452	0.465

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

Tra-1-60:



NANOG:



SNP analysis

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

- Passage 19
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: 5 small regions of change vs HDF
- For details and raw data see StemDB