



Certificate of analysis

SFC813-03-03

Operator: Kanisa Arunasalem

Date: 05/01/2016

Supervisor: Zam Cader

Date: 01/11/2016

Signature:

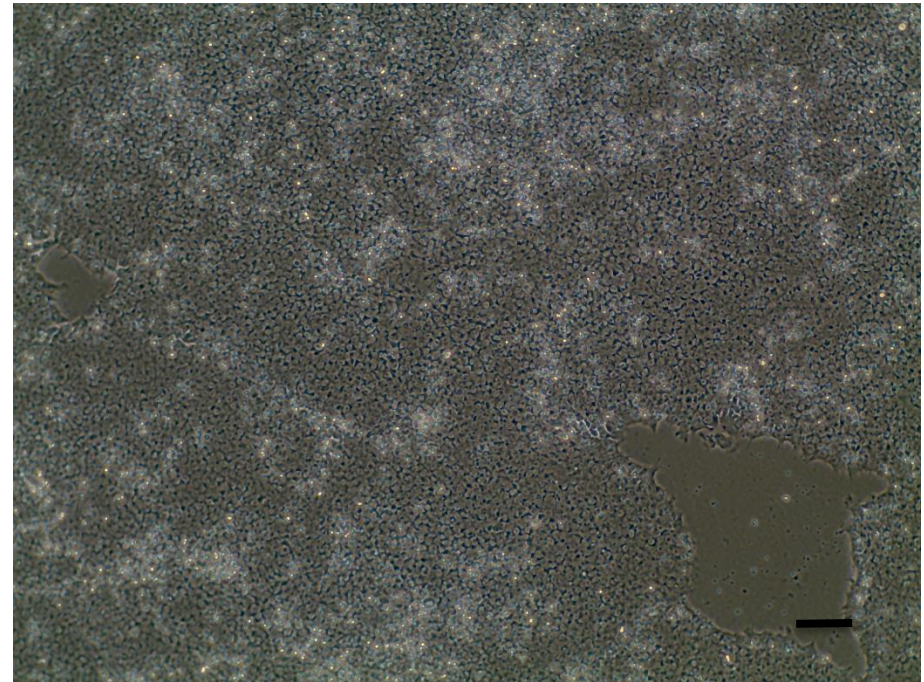
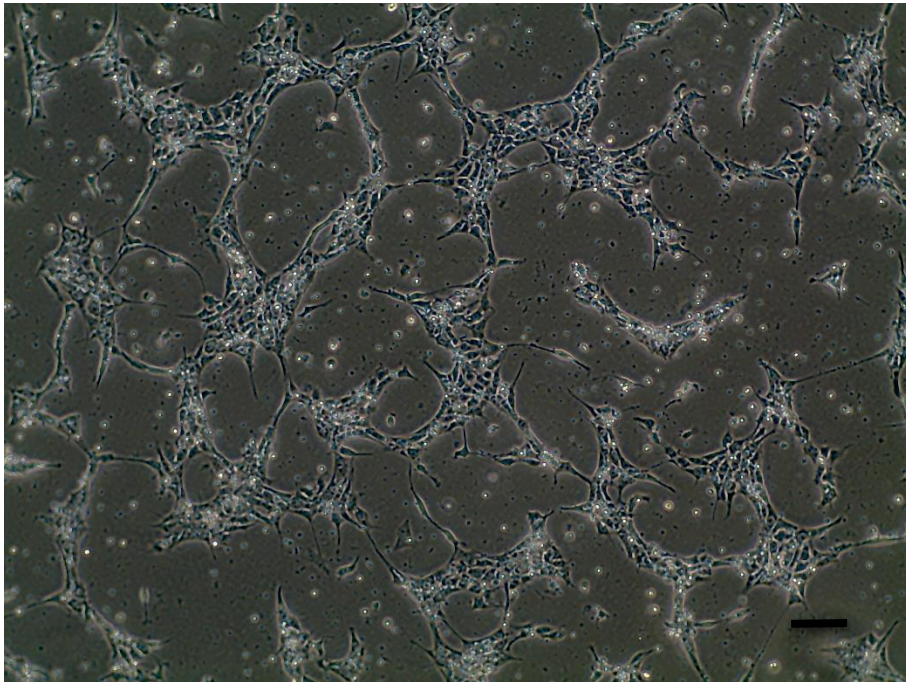
A handwritten signature in blue ink, appearing to read "Zam Cader", is written over the signature line.

Source of fibroblasts and reprogramming information

- SF813 from Oxford University Hospitals
17/02/2015
- Reprogrammed at UOXF Z
- Reprogrammed on 13/05/2015 at passage 4
- Cytotune v2 WP3 SOP10

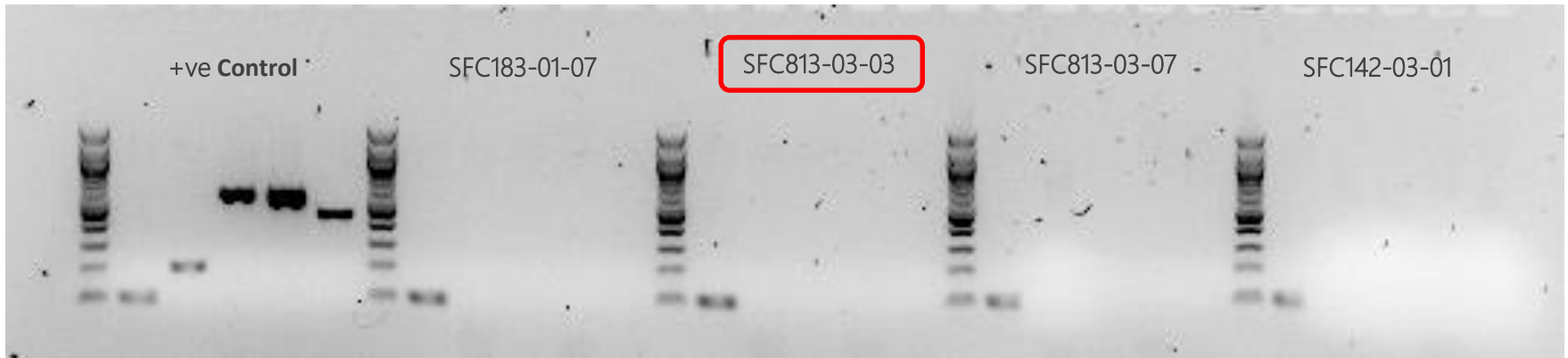
Viability post-thaw and Morphology according to SOP19 passage 18

- Cell count immediately post-thaw 1.75×10^6
- Viability immediately post-thaw 83%
- Photo at 24h and day 5 post-thaw from 20% well (scale bar = $100\mu\text{m}$):



Sendai clearance: according to WP3 SOP15 undetectable at passage 18

100bp ladder
Actin
Sendai Virus
KOS
C-Myc
Klf4
100bp ladder
Actin
Sendai Virus
KOS
C-Myc
Klf4
100bp ladder
Actin
Sendai Virus
KOS
C-Myc
Klf4
100bp ladder
Actin
Sendai Virus
KOS
C-Myc
Klf4
100bp ladder
Actin
Sendai Virus
KOS
C-Myc
Klf4



Product sizes: Actin 92bp; SeV 181bp; SeV KOS 528bp; SeV-Myc 532bp; SeV-Klf 410bp;

Mycoplasma Test:

According to MycoAlert Lonza LT07-318 undetectable at passage 18

Sample	Passage Number	Initials	Reading 1	Reading 2	Ratio/Status
+ ve control			61	2270	37.21
- ve control			59	25	0.42
SFC813-03-03	p18	KA	39	16	0.41

Results:

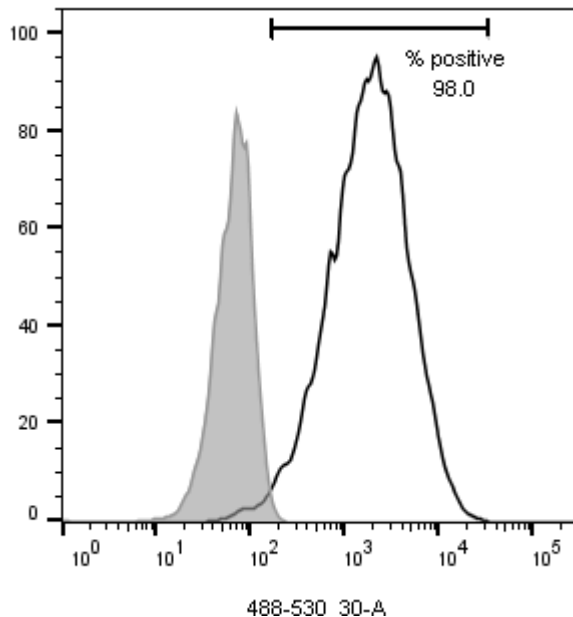
Ratio **0 - 0.999** negative for mycoplasma

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

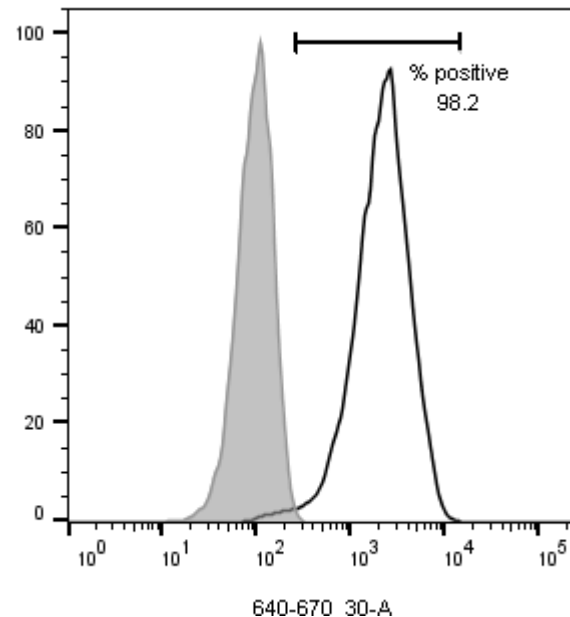
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage 18

Tra-1-60:



NANOG:



SNP analysis

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

- Passage 18
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB