



Certificate of analysis

SFC032-03-07

Operator: Olga Perestenko Date: 08/01/2016

Supervisor: Sally Cowley Date: 31/08/2016

Signature: *SACowley*

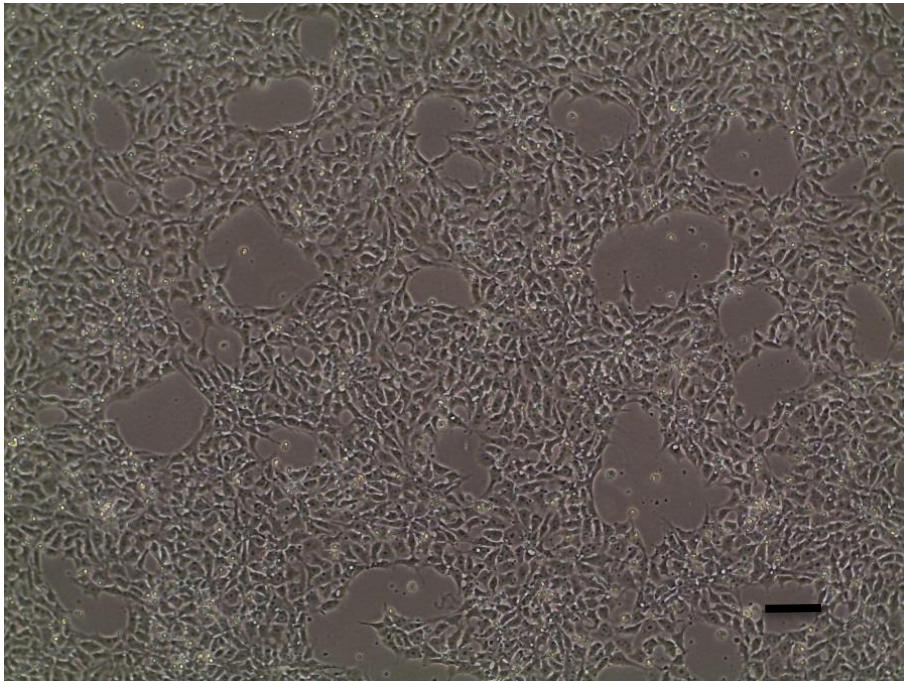
Source of fibroblasts and reprogramming information

- SF032 from Lubeck 25/11/2013
- Reprogrammed at UOXF-S
- Reprogrammed on 13/08/2015 at passage 3, OP
- Cytotune v2 WP3 SOP10

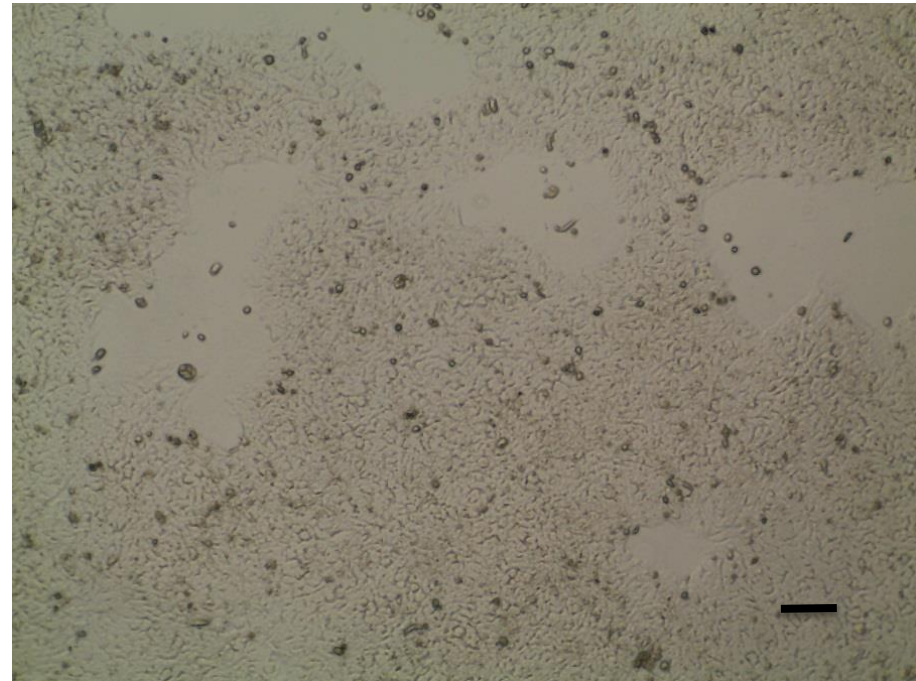
Viability post-thaw and Morphology according to SOP19 passage 10

- Cell count immediately post-thaw 1.9×10^6
- Viability immediately post-thaw 84.4%
- Photo at 24h and day 4 post-thaw (scale bar = $100\mu\text{m}$):

24h post-thaw 80% plated

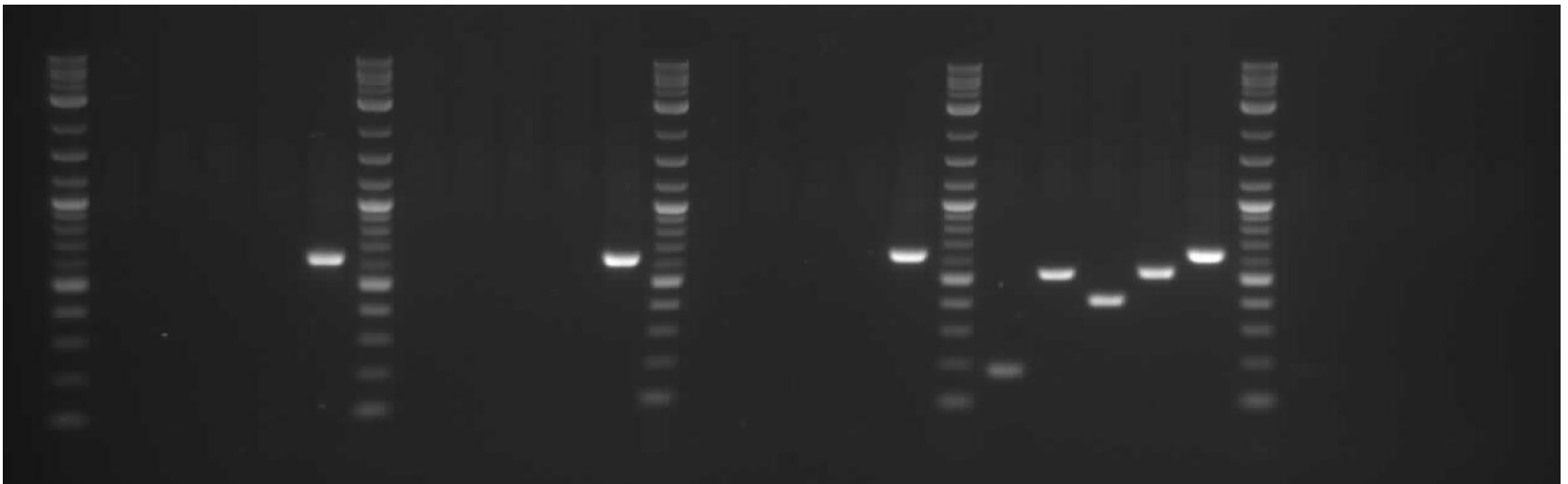


Day 4 post-thaw 20% plated



Sendai clearance: according to WP3 SOP15 undetectable at passage 10

2Log ladder
Sendai virus
KOS
Klf4
C-Myc
Actin
2Log ladder
Sendai virus
KOS
Klf4
C-Myc
Actin
2Log ladder
Sendai virus
KOS
Klf4
C-Myc
Actin
2Log ladder
Sendai virus
KOS
Klf4
C-Myc
Actin
2Log ladder
Sendai virus
KOS
Klf4
C-Myc
Actin



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- control

+ control

No Reverse Transcriptase

Product sizes: SeV 181bp; KOS 528bp; SeV-Klf 410bp; SeV-Myc 532bp; Actin 623bp

Mycoplasma Test:

According to MycoAlert Lonza LT07-318 undetectable at passage 10

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				8.20	284.00	34.65
-ve control				8.28	0.93	0.11
8	SFC032-03-07	p10	OP	3.37	1.22	0.36

Results mean

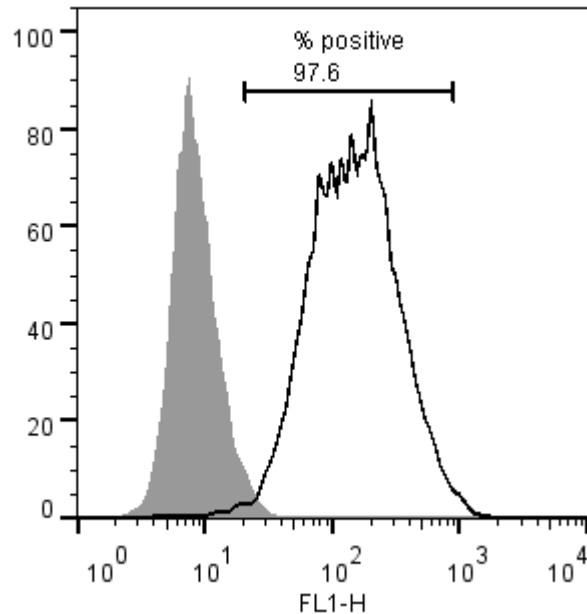
Ratio **0 - 0.999** negative for mycoplasma

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

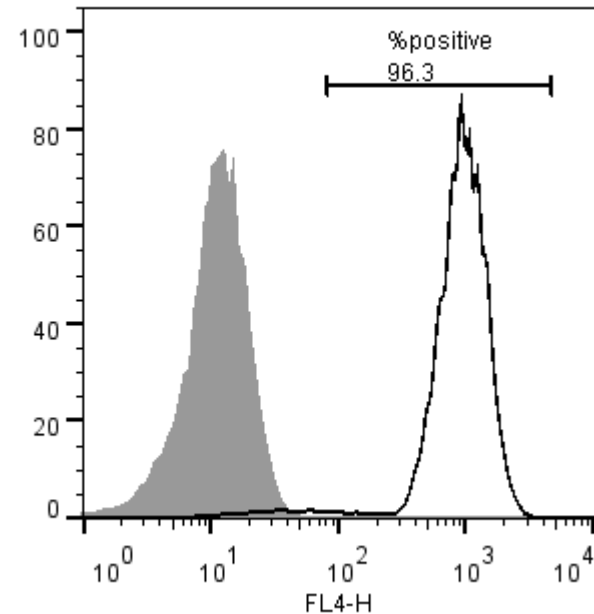
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage 10

Tra-1-60:



NANOG:



SNP analysis

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

- Passage 10
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB