



Certificate of analysis

SFC073-03-08

Operator: Olga Perestenko

Date: 24/01/2017

Supervisor: Sally Cowley

Date: 14/07/2017

Signature:

SACowley

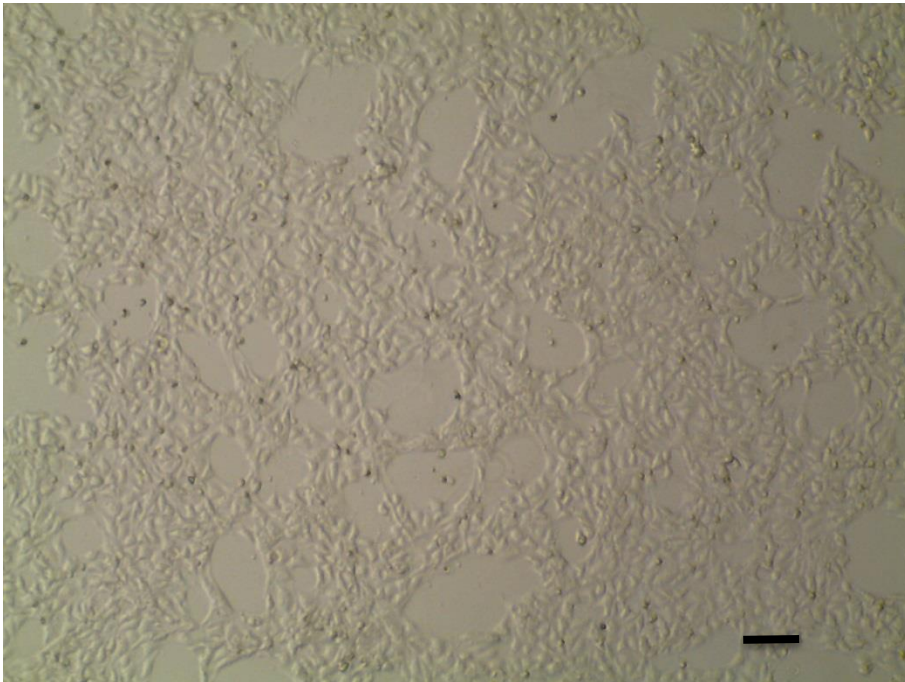
Source of fibroblasts and reprogramming information

- SF073 from Luebeck
- 27/03/2014
- Reprogrammed at UOXF-S
- Reprogrammed on 19/02/2016 at passage 3
OP
- Cytotune v2 WP3 SOP10

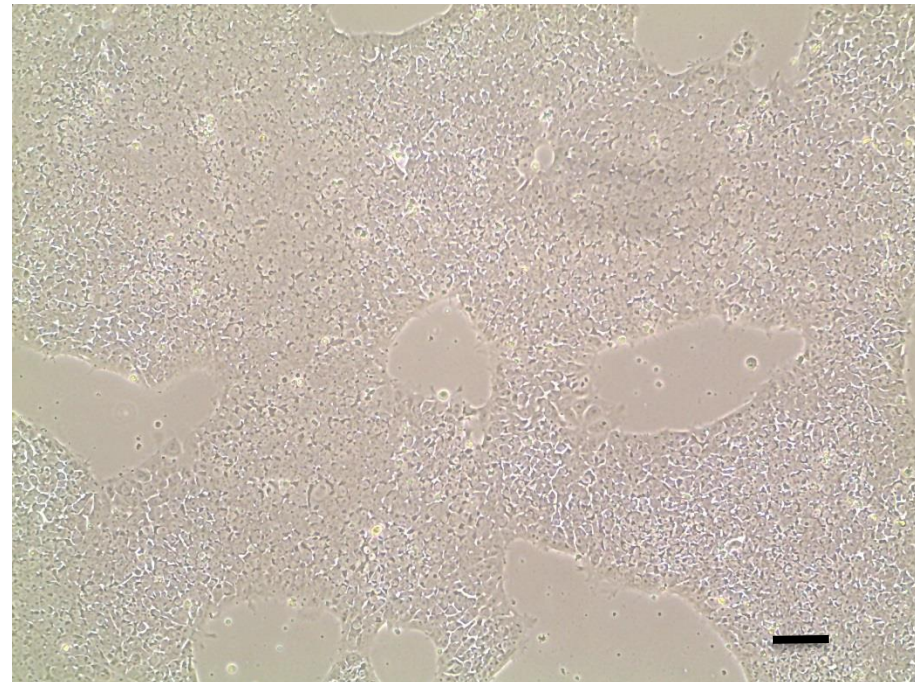
Viability post-thaw and Morphology according to SOP19 passage p13

- Cell count immediately post-thaw 1.85×10^6
- Viability immediately post-thaw 91.4%
- Photo at 24h and day 3 post-thaw (scale bar = $100\mu\text{m}$):

24h post-thaw 80% plated

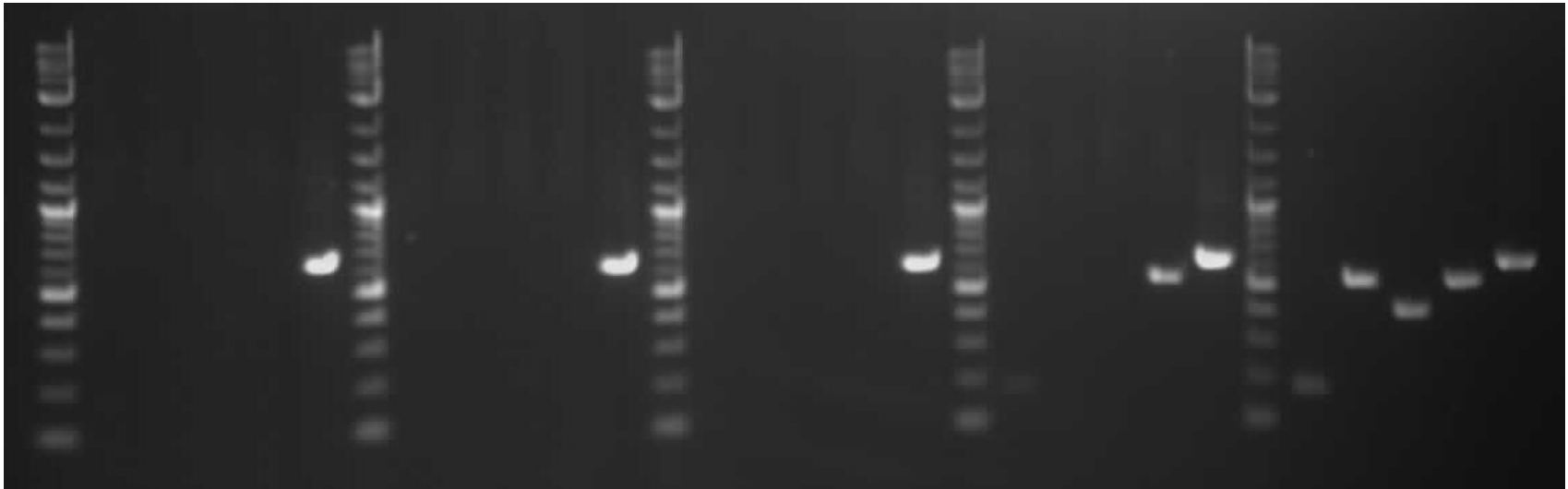


Day 3 post-thaw 20% plated



Sendai clearance: according to WP3 SOP15 undetectable at passage 13

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



SFC028-03-08 SFC030-03-02 **SFC073-03-08** SFC074-03-06 + control

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 13

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				3.437	247	71.86
-ve control				5.361	0.599	0.11
6	SFC073-03-08	p13	OP	2.085	0.925	0.44

Results mean

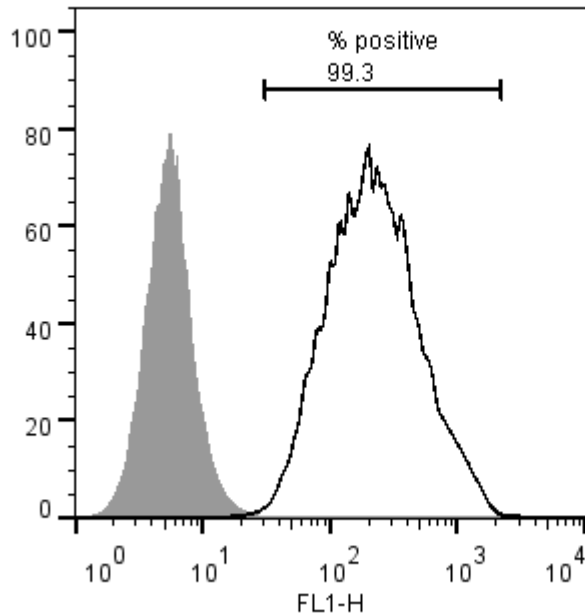
Ratio **0 - 0.999** negative for mycoplasma

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

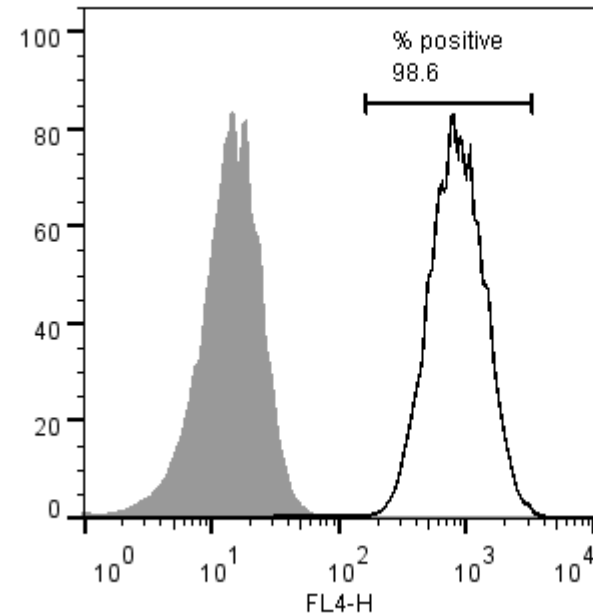
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage 14

Tra-1-60:



NANOG:



SNP analysis

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

- Passage 13
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected – chromosome 6 allelic imbalance is also present on parental fibroblasts
- For details and raw data see StemDB