



# Certificate of analysis

SFC867-04-12

Operator: Olga Perestenko      Date: 08/01/2016

Supervisor: Sally Cowley      Date: 31/08/2016

Signature: *SACowley*

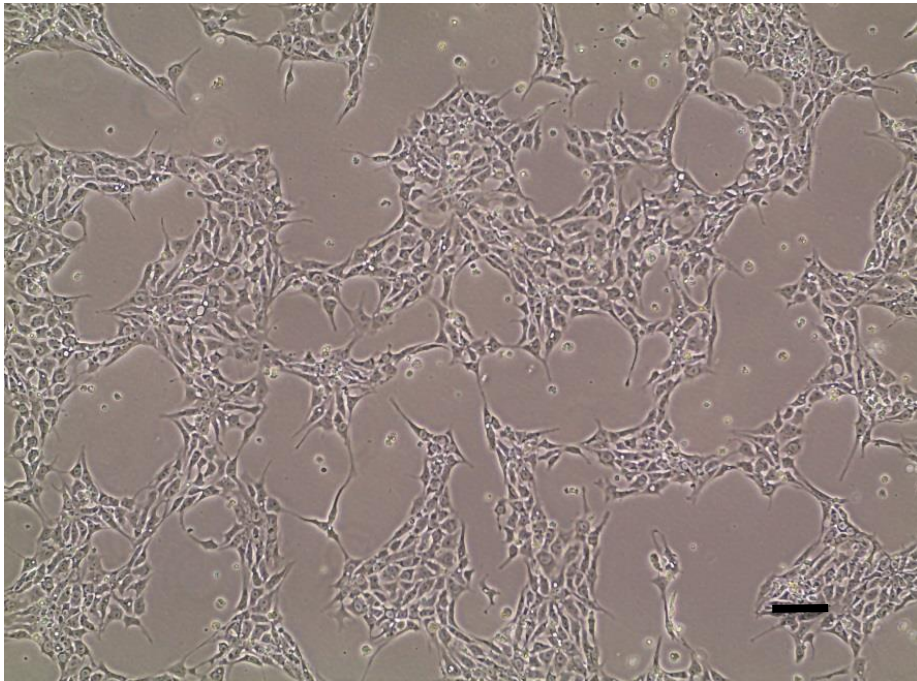
# Source of fibroblasts and reprogramming information

- SF867 from Oxford University 01/08/2014
- Reprogrammed at UOXF S
- Reprogrammed on 11/06/2015 at passage 4.
- Cytotune v2 WP3 SOP10

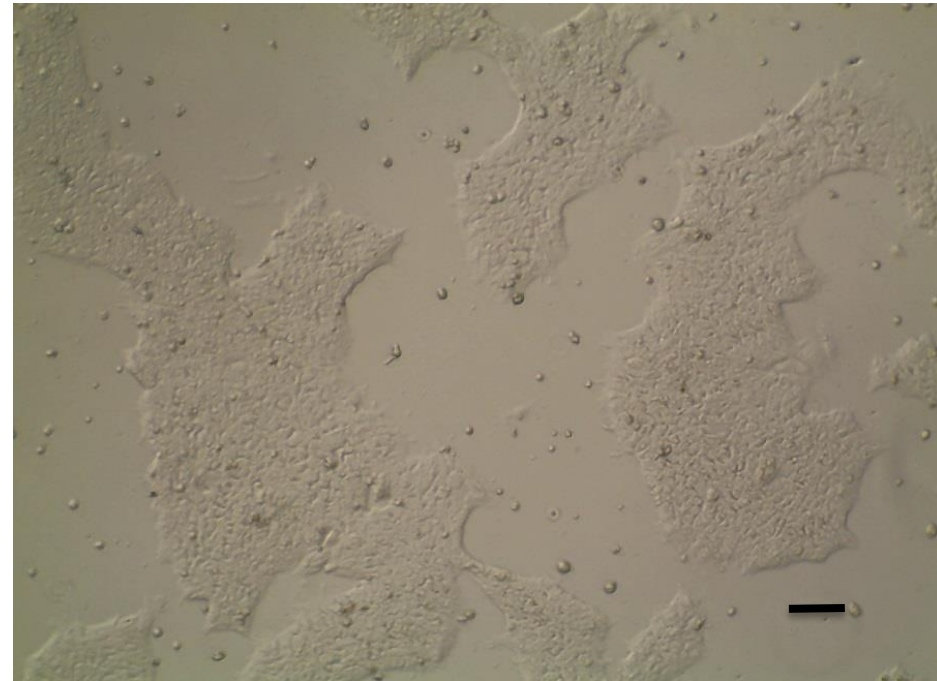
# Viability post-thaw and Morphology according to SOP19 passage 20

- Cell count immediately post-thaw  $2.0 \times 10^5$
- Viability immediately post-thaw 81.7%
- Photo at 24h and 3 day post-thaw (scale bar =  $100\mu\text{m}$ ):

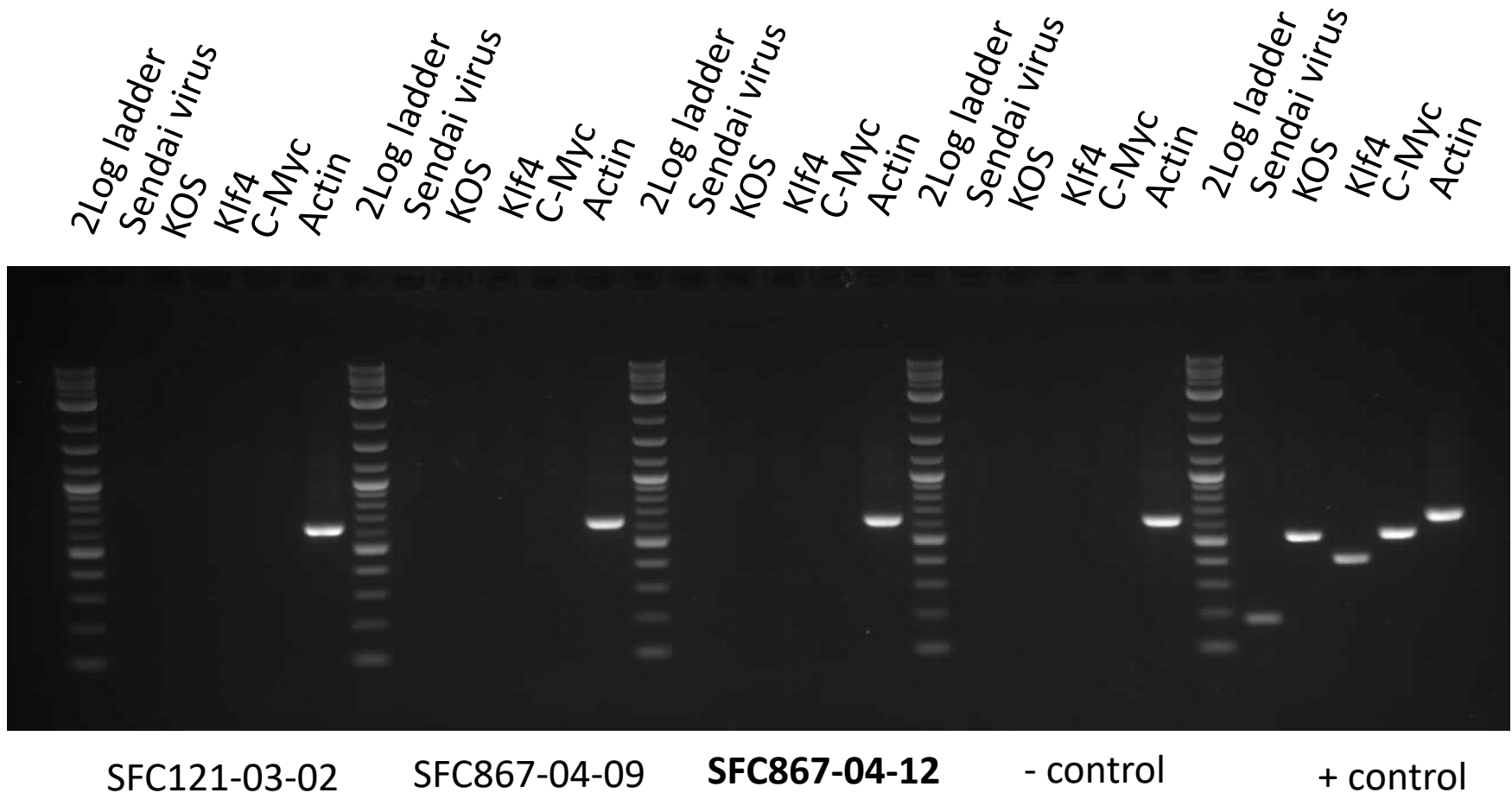
24h post-thaw 80% plated



Day 3 post-thaw 20% plated



# Sendai clearance: according to WP3 SOP15 undetectable at passage 20



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 20

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
11	SFC867-04-12	p20	OP	2.64	0.59	0.22

Results mean

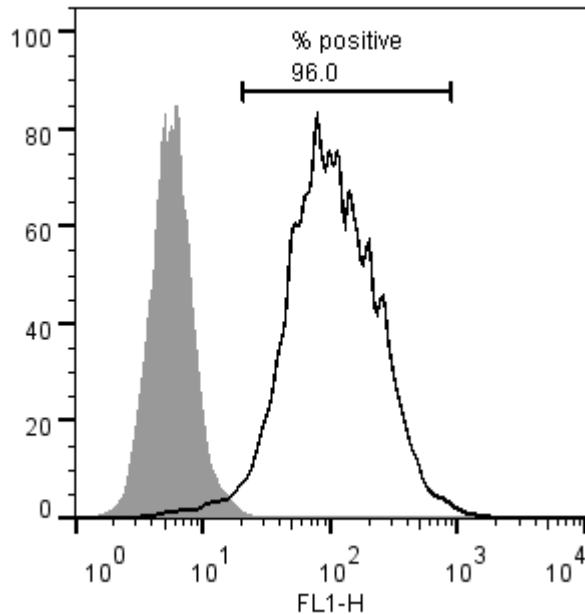
Ratio **0 - 0.999** negative for mycoplasma

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

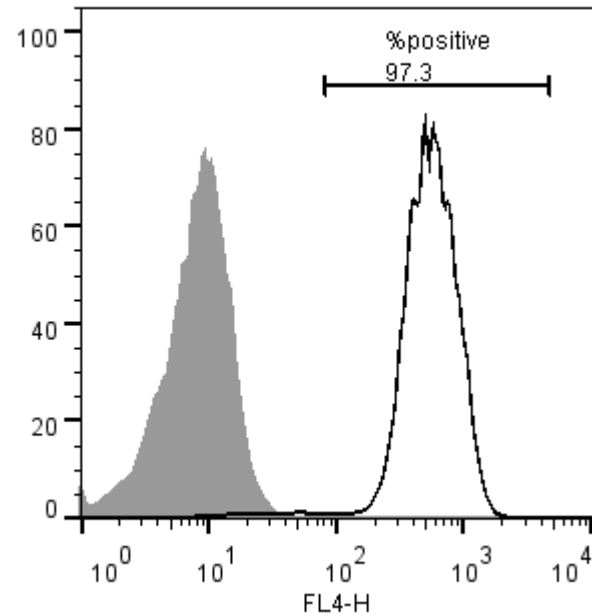
Ratio above **1.3** positive for mycoplasma

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

Tra-1-60:



NANOG:



# SNP analysis

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

- Passage 20
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: minor allelic imbalance C6 also indicated in fibroblasts
- For details and raw data see StemDB