



# Certificate of analysis

SFC831-03-03

Operator: Federica Rinaldi Date: 07/08/2014

Supervisor signature: Sally Cowley Date: 31.08.2014

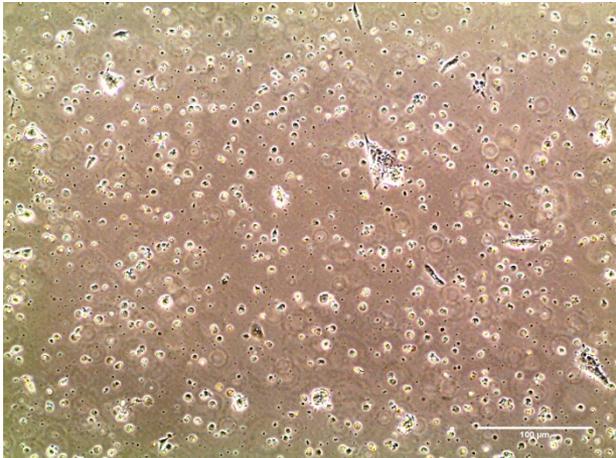
*SACowley*

# Source of fibroblasts and reprogramming information

- SF831 from UCL
- Reprogrammed at UOXF JMSCF (03/10/13 WH)
- Reprogrammed on 03/10/2013 at p.5
- Cytotune v1 WP3 SOP10

# Viability post-thaw and Morphology according to SOP19 passage 19

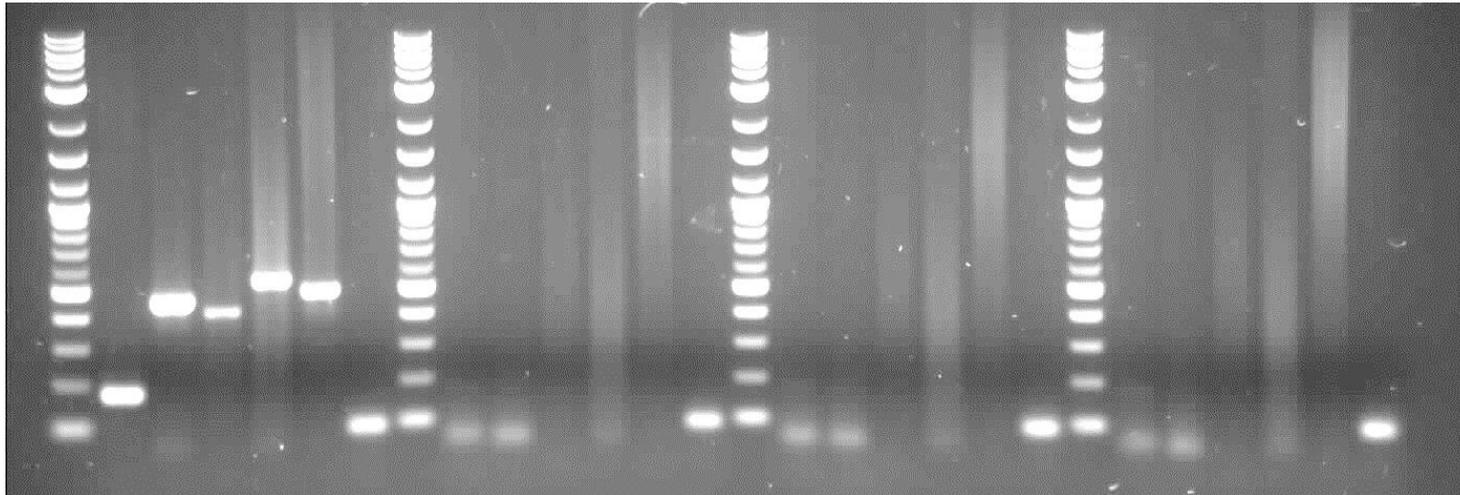
- Cell count immediately post-thaw  $1.5 \times 10^6$
- Viability immediately post-thaw 95%
- Photo at 24h post-thaw\*:



\*NB:inferior Y27632; bar = 100 $\mu$ m

# Sendai clearance: according to WP3 SOP15 undetectable at passage 18

Log2 ladder  
Sendai virus  
Sox2  
Klf4  
C-Myc  
Oct3/4  
Actin  
Log2 ladder  
Sendai virus  
Sox2  
Klf4  
C-Myc  
Oct3/4  
Actin  
Log2 ladder  
Sendai virus  
Sox2  
Klf4  
C-Myc  
Oct3/4  
Actin  
Log2 ladder  
Sendai virus  
Sox2  
Klf4  
C-Myc  
Oct3/4  
Actin



+ control

SFC831-03-01

SFC831-03-03

SFC831-03-05

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 18

Sample	Reading 1	Reading 2	Ratio / Status
+ve Control	6.203	271.3	<b>43.74</b>
-ve Control	12.08	1.042	<b>0.862</b>
1. SFC831-03-03	5.146	1.535	<b>0.298</b>

Results mean

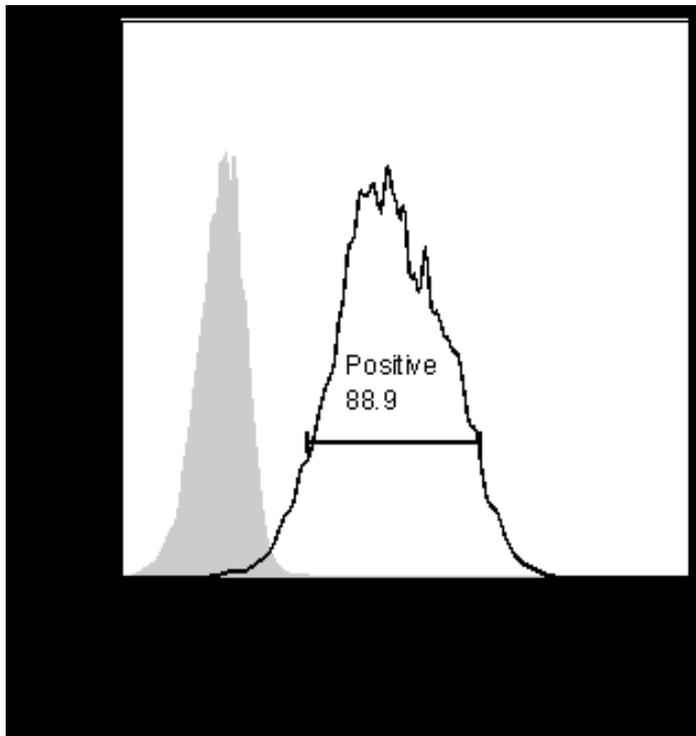
Ratio **0 - 0.999** negative for mycoplasma

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

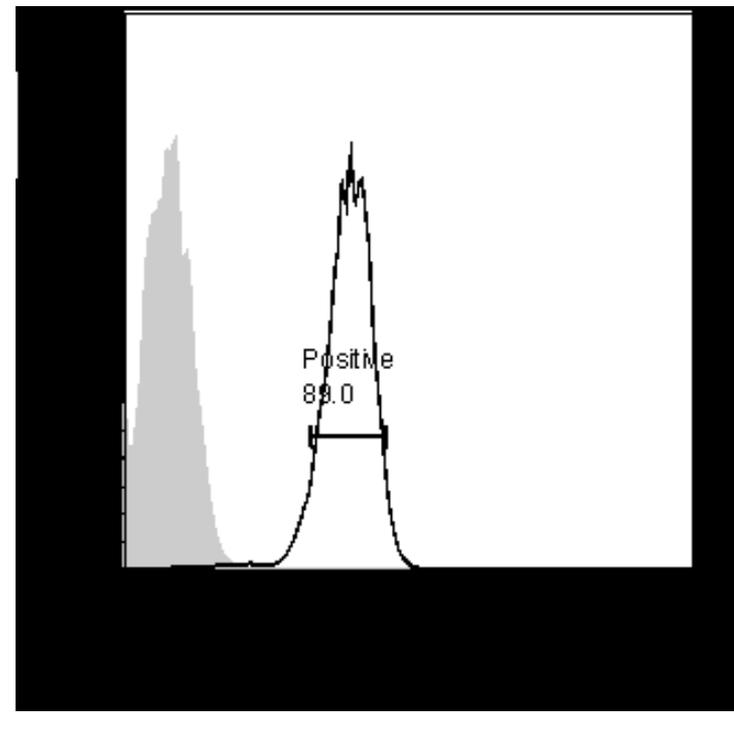
Ratio above **1.3** positive for mycoplasma

# Flow cytometric analysis according to WP3 SOP 20 and 21 passage 19

Tra-1-60: 88.9%



NANOG: 89%



# SNP analysis

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

- Passage 18
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities 1 minor region Chr 4 higher CNV vs fibroblasts
- For details and raw data see StemDB