

# Certificate of analysis

SFC833-03-14

Signature: Jane Vowles

Date: 04/09/2014

Supervisor signature:

Date: 28.10.2014

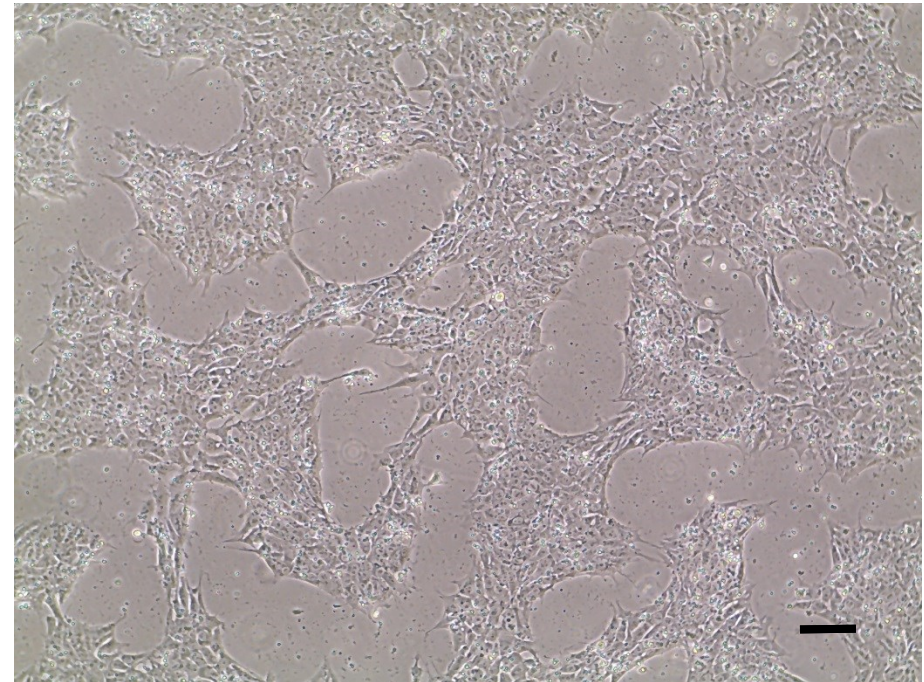
*SA Cowley*

# Source of fibroblasts and reprogramming information

- SF833 from UOXF 03/06/2011
- Reprogrammed at UOXF JMSCF JV
- Reprogrammed on 17/07/13 at passage 4
- Cytotune v1 WP3 SOP10

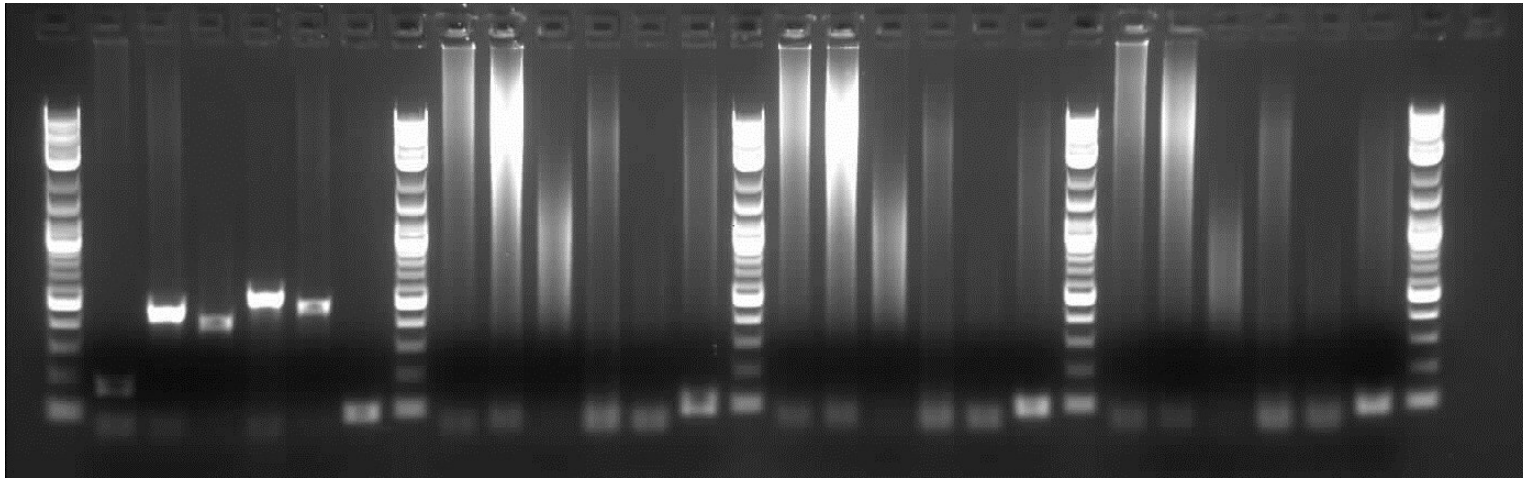
# Viability post-thaw and Morphology according to SOP19 passage 19

- Cell count immediately post-thaw  $4.46 \times 10^6$
- Viability immediately post-thaw 86.15%
- Photo at 24h post-thaw (scale bar =  $100\mu\text{m}$ ):



# Sendai clearance: according to WP3 SOP15 undetectable at passage 19

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

SFC833-03-01

SFC833-03-05

SFC833-03-14

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 19

Sample	Operator	Passage No.	Reading 1	Reading 2	Ratio / Status
+ve Control			5.040	237.4	<b>47.1</b>
-ve Control			7.488	0.897	<b>0.12</b>
SFC833-03-14	JV	p19	2.554	0.907	<b>0.355</b>

Results mean

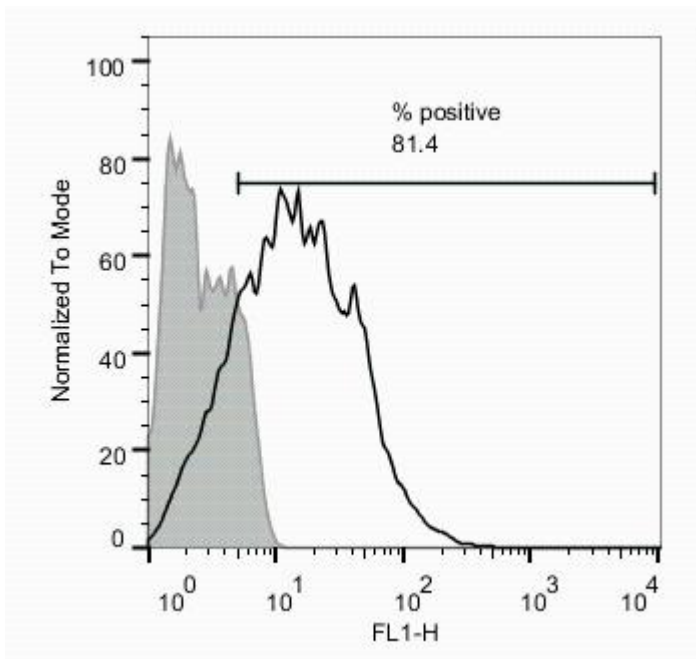
Ratio **0 - 0.999** negative for mycoplasma

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

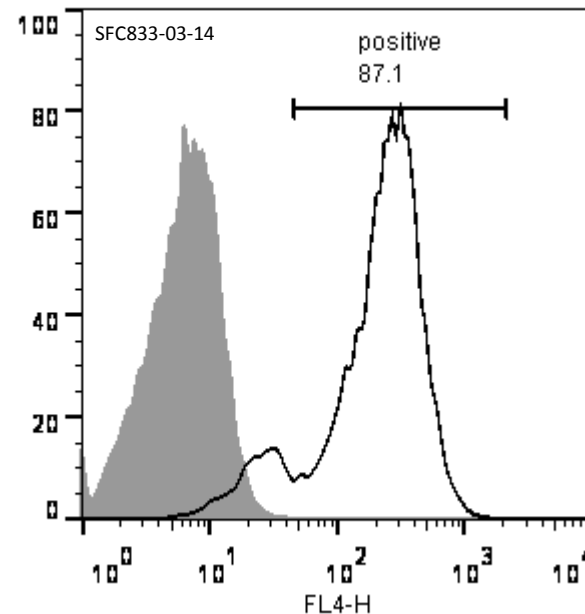
Ratio above **1.3** positive for mycoplasma

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

Tra-1-60:



NANOG:



# SNP analysis

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

- Passage 19
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities none detected
- For details and raw data see StemDB