



Certificate of analysis

SFC848-03-02

Operator: Cathy Browne

Date: 06/07/15

Supervisor: Sally Cowley

Date: 19.08.2016

Signature:

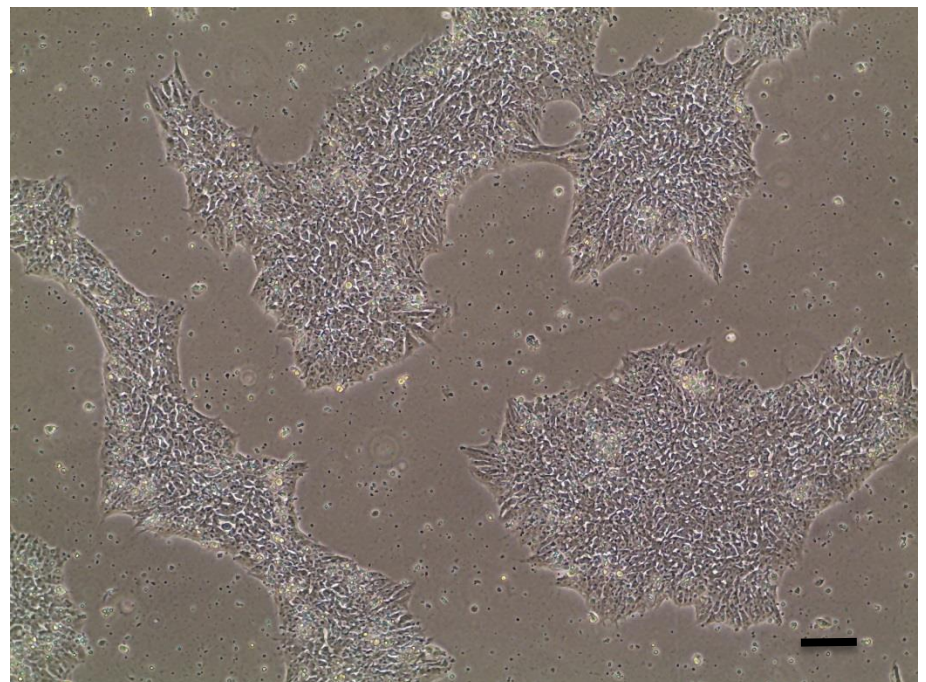
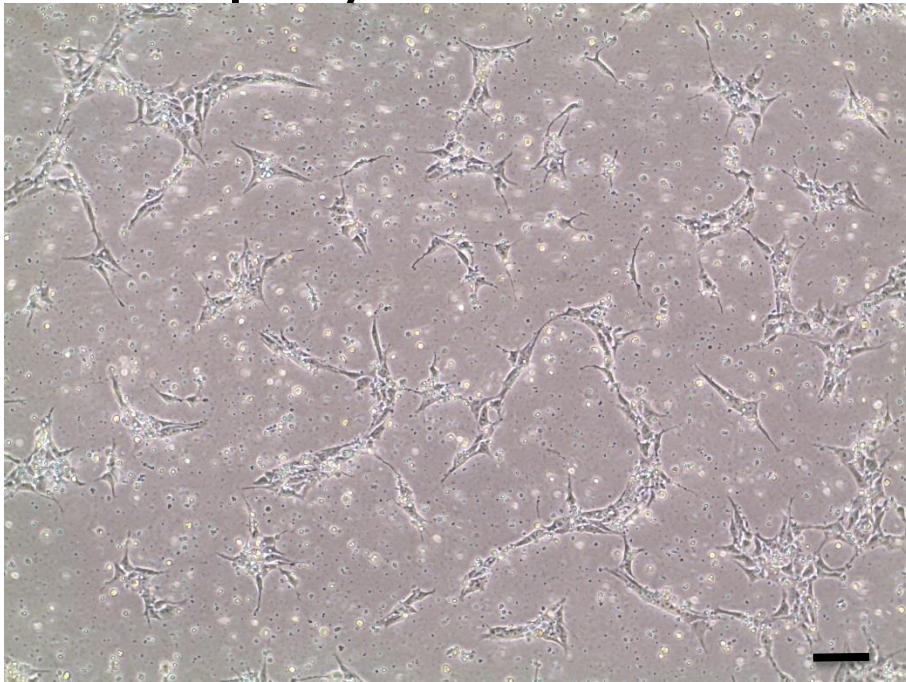
SACowley

Source of fibroblasts and reprogramming information

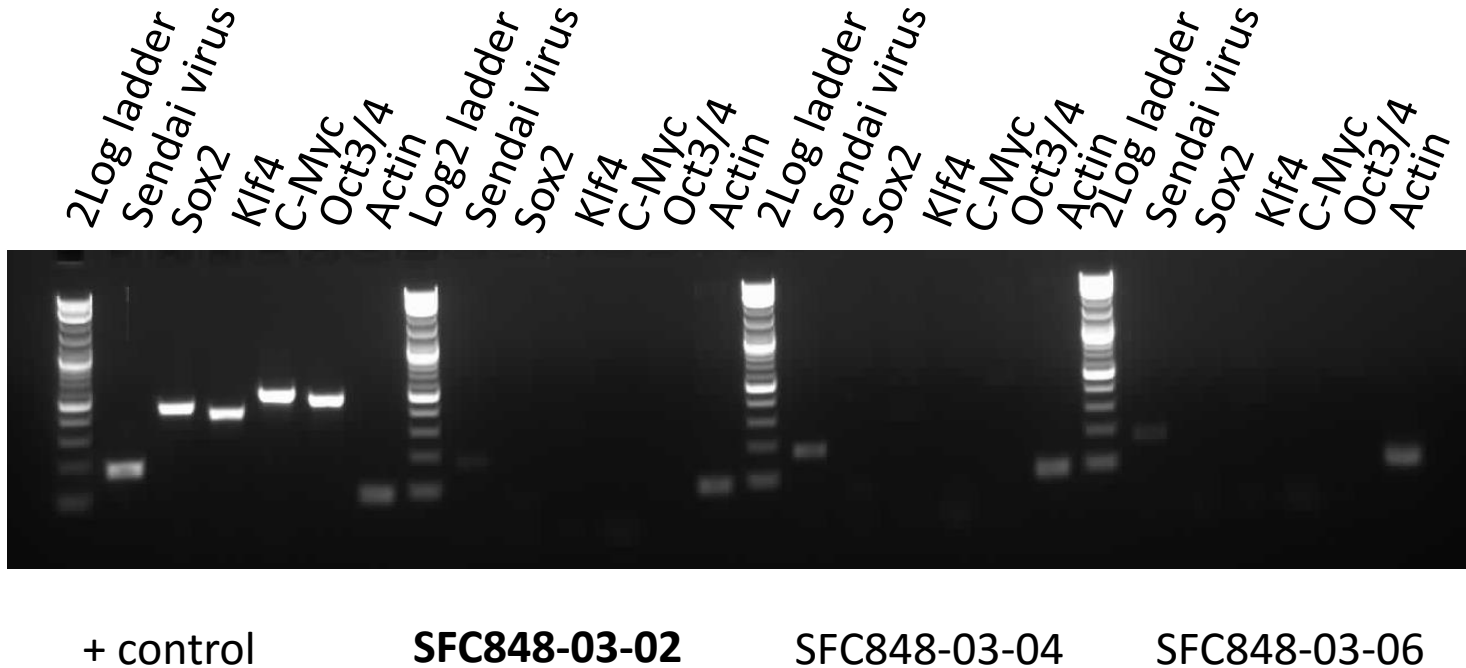
- SF848 from Oxford University 05/10/12
- Reprogrammed at UOXF S (JMSCF AB)
- Reprogrammed on 14/08/14 at passage 3
- Cytotune v1 WP3 SOP10

Viability post-thaw and Morphology according to SOP19 passage 21

- Cell count immediately post-thaw 3.38×10^6
- Viability immediately post-thaw 85.2%
- Photo at 24h & day 6 post-thaw (scale bar = $100\mu\text{m}$):



Sendai clearance:
according to WP3 SOP15
undetectable at passage 21
except very faint SeV backbone



Product sizes: SeV 181bp; SeV-Sox 451bp; SeV-Klf 410bp; SeV-Myc 532bp; SeV-Oct 483bp; Actin 92bp

Mycoplasma Test:

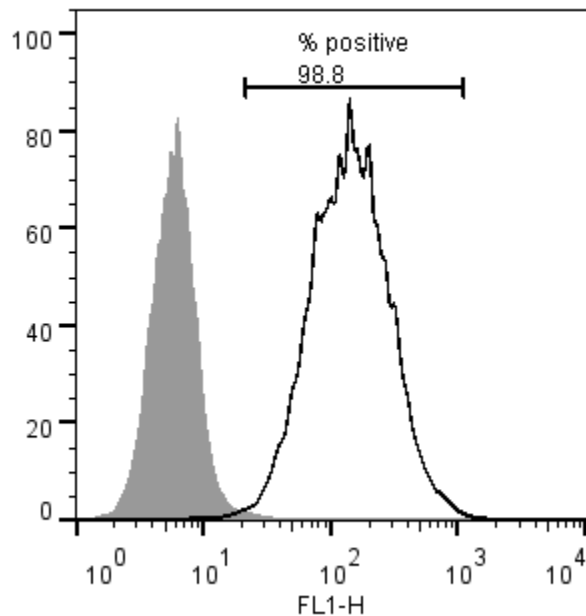
According to MycoAlert Lonza LT07-318 undetectable at passage 21

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				8.539	88.04	10.31
-ve control				9.475	0.883	0.09
1	SFC848-03-02	p21	CB	2.886	0.861	0.30

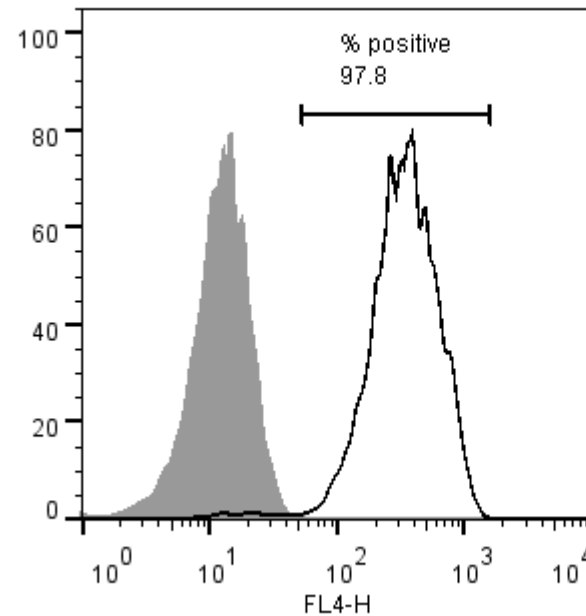
Results mean		
Ratio 0 - 0.999 negative for mycoplasma		
Ratio 1 – 1.3 Borderline Result (retest required)		
Ratio above 1.3 positive for mycoplasma		

Flow cytometric analysis according to WP3 SOP 20 and 21 passage p21

Tra-1-60:



NANOG:



SNP analysis

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

- Passage p21
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: **StemDB calls an abnormality of loss of whole of ChrX, however, it clearly still has a full X Chromosome. This has been cross-checked with KaryoStudio analysis, which shows normal X Chr, and also SNP on a subsequent expanded batch of cells (07.2016) at UOXF S is normal**
- For details and raw data see StemDB