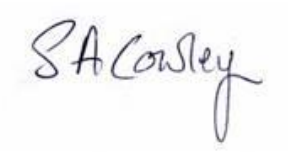
Certificate of analysis

SFC855-03-01

Operator: C Browne Date: 07/09/15

Supervisor: Sally Cowley Date:08/05/2017

Signature: 

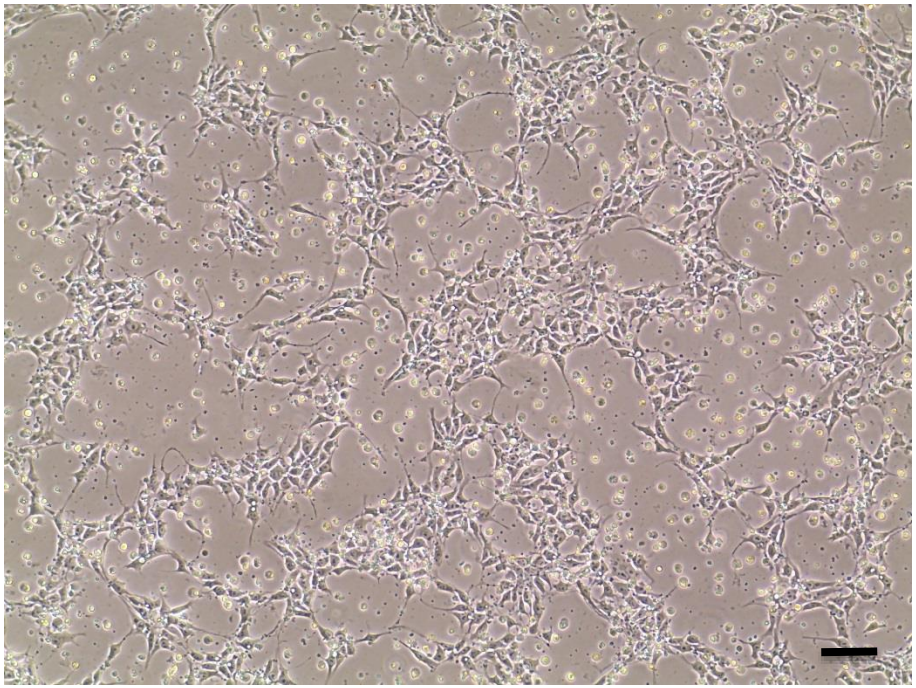
Source of fibroblasts and reprogramming information

- SF855 from Oxford University Hospitals 10/02/14
- Reprogrammed at UOXF S
- Reprogrammed on 05/19/14 at passage p4
- Cytotune v1 WP3 SOP10

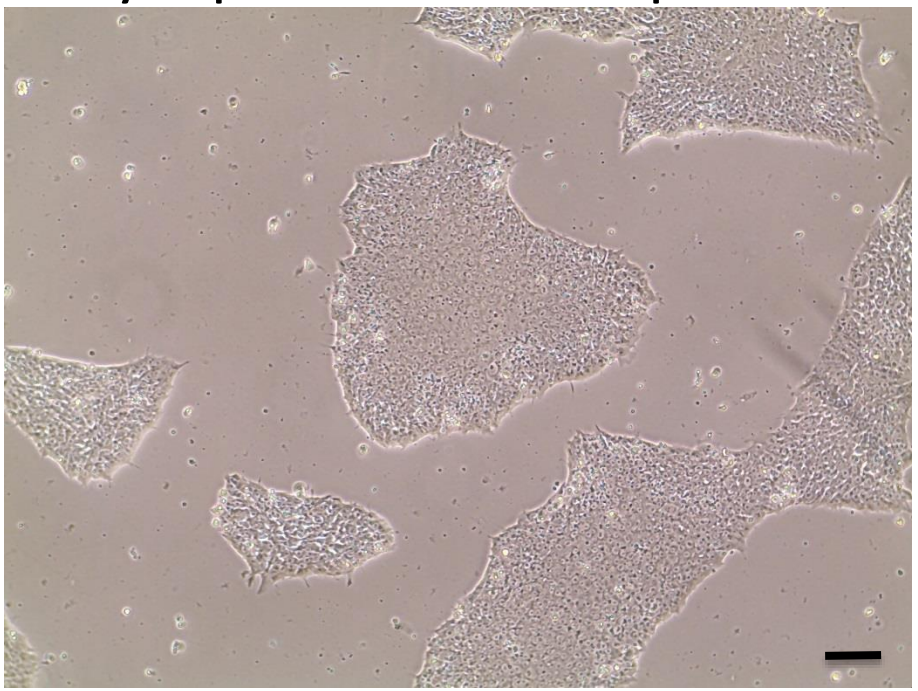
Viability post-thaw and Morphology according to SOP19 passage p17

- Cell count immediately post-thaw 2.01 x 10^6
- Viability immediately post-thaw x 84 %
- Photo at 24h & day 4 post thaw (scale bar = 100µm):

24h post-thaw 80% plated

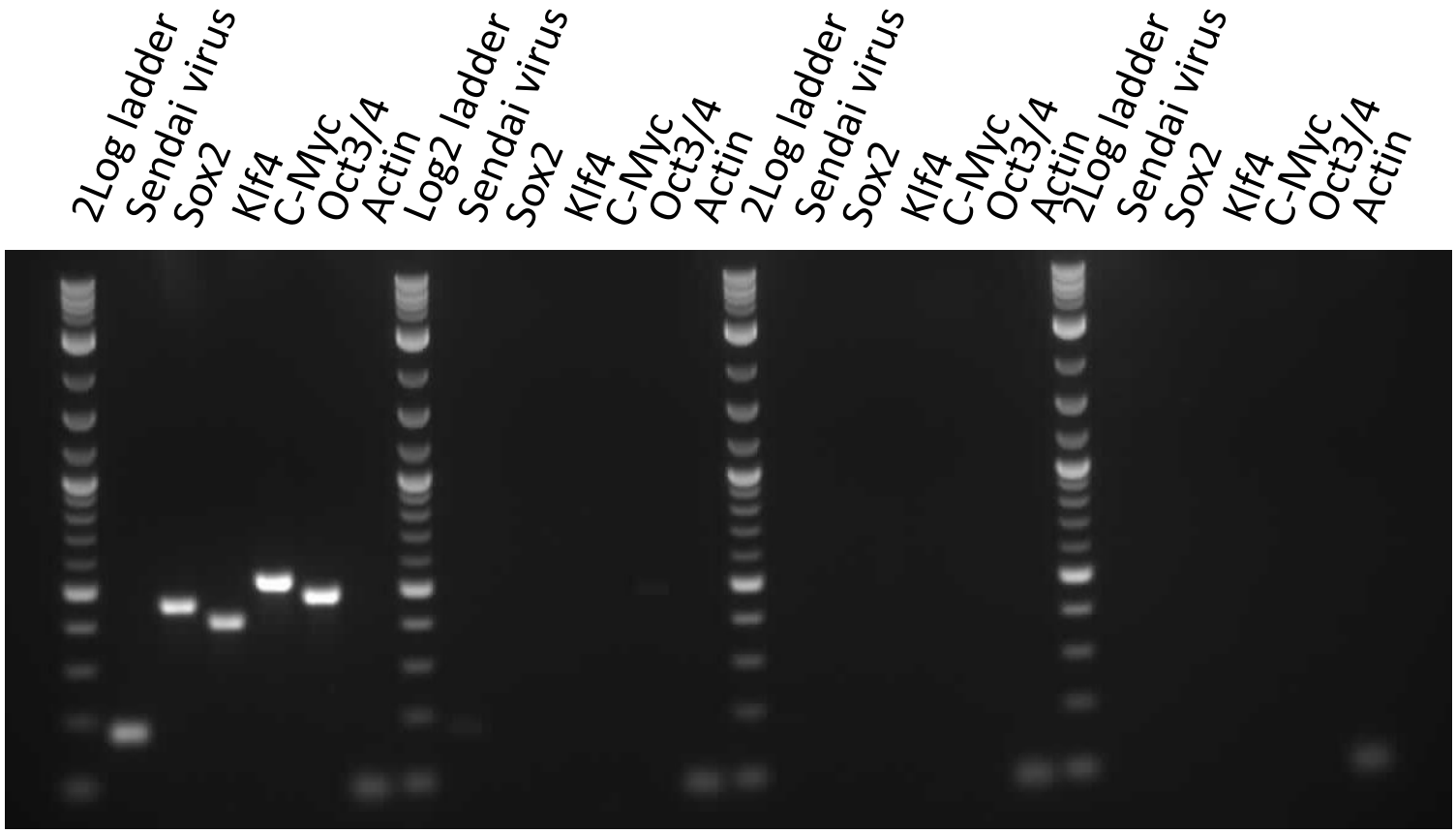


Day 4 post-thaw 20% plated



Sendai clearance: according to WP3 SOP15

undetectable at passage 17,
except *very* faint backbone and c-myc band



+ control **SFC855-03-01** SFC855-03-06 SFC855-03-08

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

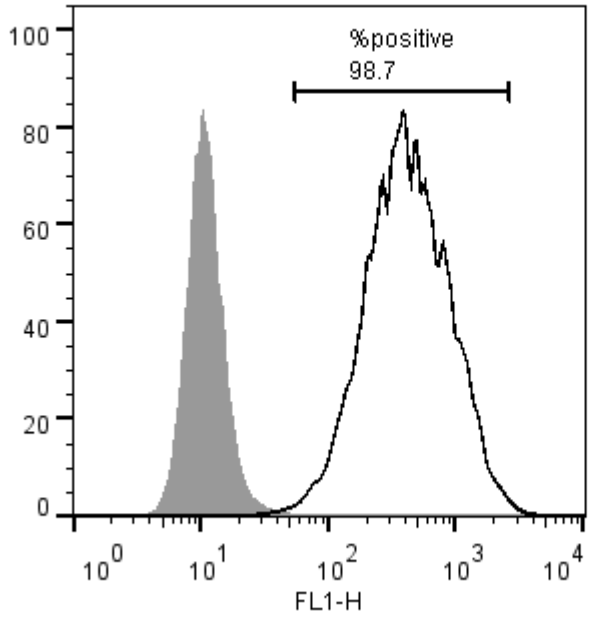
Mycoplasma Test:
According to MycoAlert Lonza LT07-318 undetectable at passage p17

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				7.64	199.10	26.07
-ve control				9.31	0.60	0.06
	SFC855-03-01	p17	CB	3.22	1.20	0.37

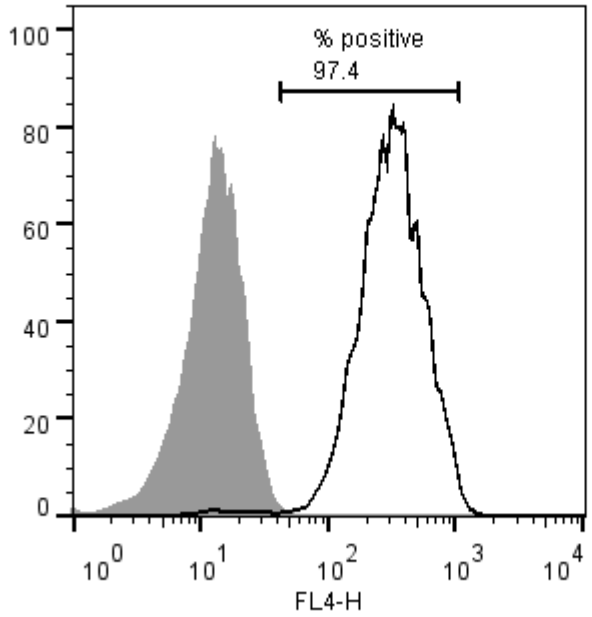
Results mean
Ratio **0 - 0.999** negative for mycoplasma
Ratio **1 – 1.3** Borderline Result (retest required)
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage p17

Tra-1-60:



NANOG:



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

- Passage p17
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB