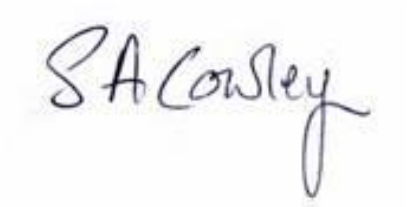
Certificate of analysis

SFC865-03-07

Operator: Olga Perestenko Date: 25/01/2017

Supervisor: Sally Cowley Date: 25/02/2018

Signature: 

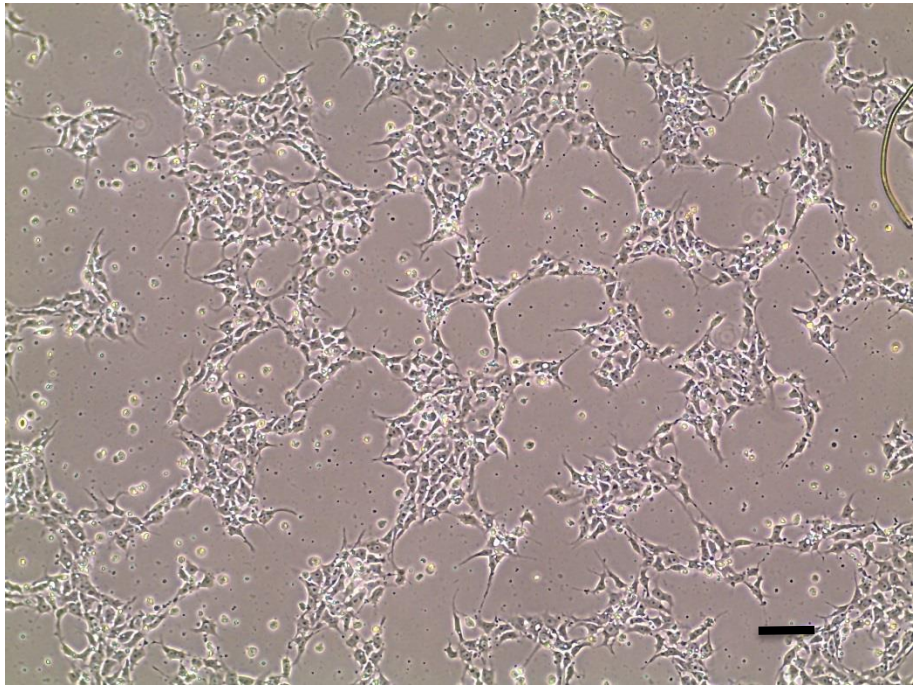
Source of fibroblasts and reprogramming information

- SF865 from UOXF
- Reprogrammed at UOXF-S
- Reprogrammed on 06/10/2016 at passage 4 OP
- Cytotune v2 WP3 SOP10

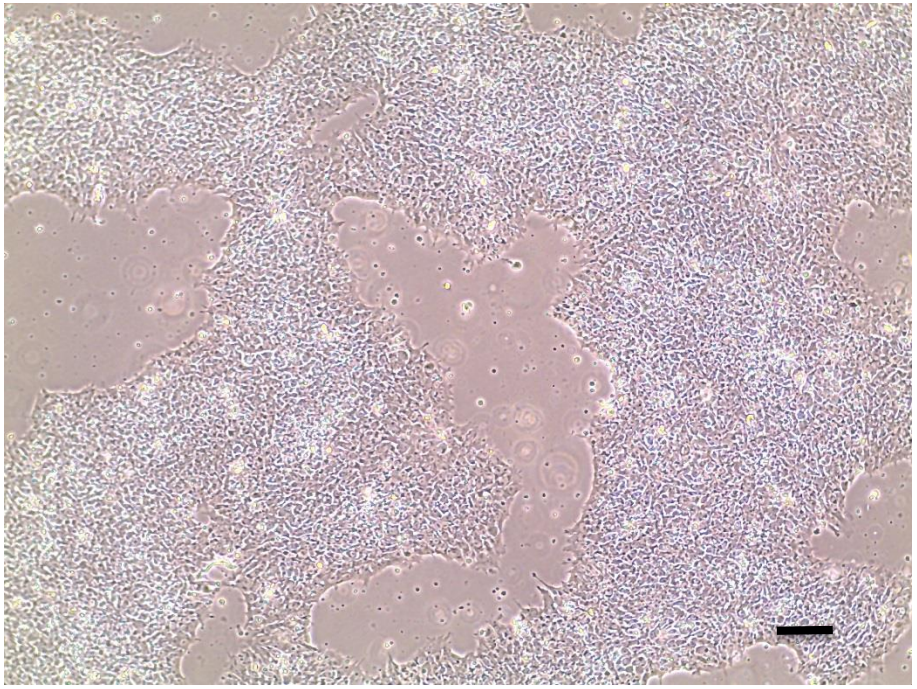
Viability post-thaw and Morphology according to SOP19 passage 10

- Cell count immediately post-thaw 1.25 x 10^6
- Viability immediately post-thaw 90.9%
- Photo at 24h and day 3 post-thaw (scale bar = 100µm):

24h post-thaw 80% plated

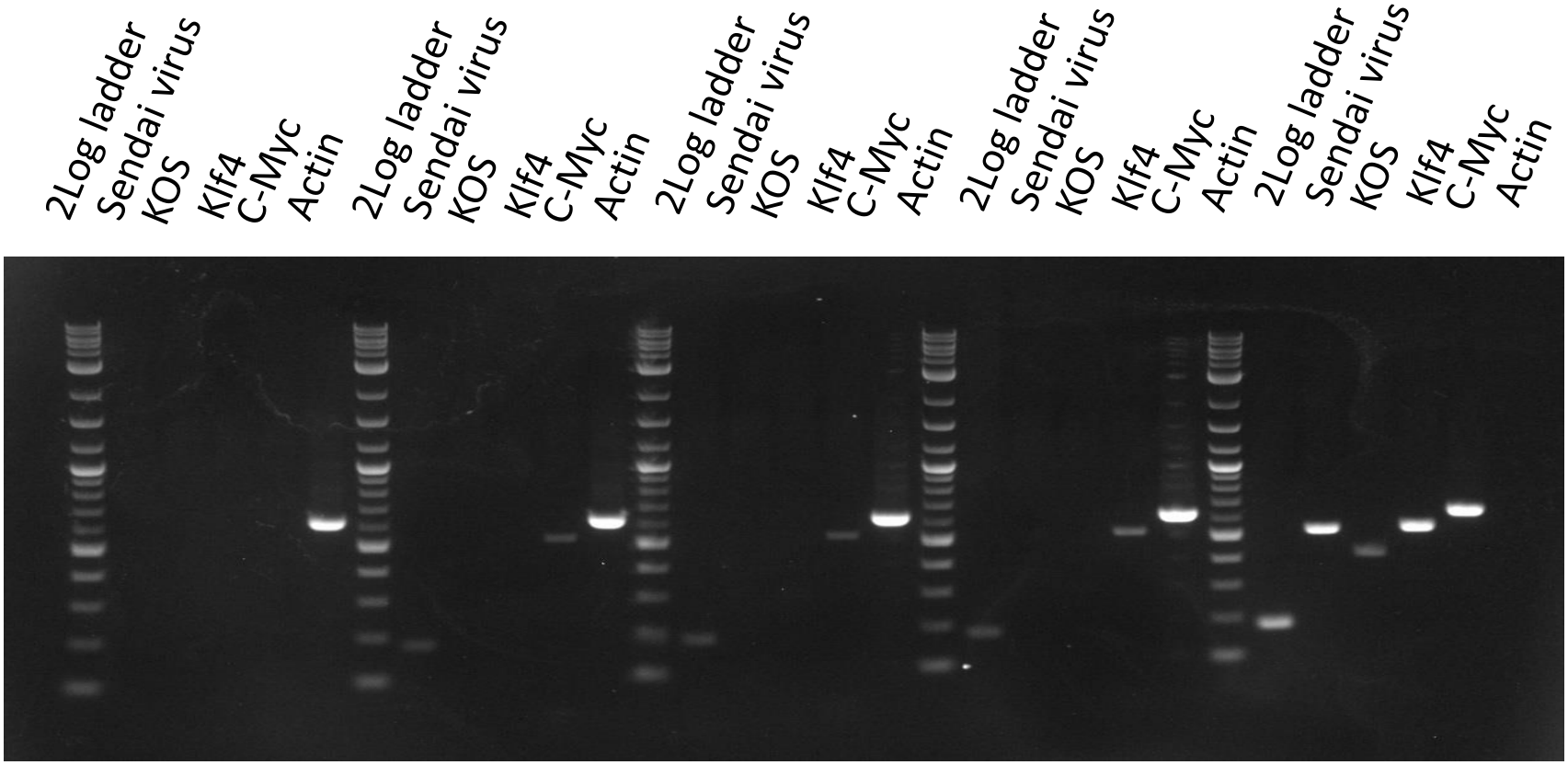


Day 3 post-thaw 20% plated



Sendai clearance: according to WP3 SOP15

Faint residual myc virus detectable at passage 10 – recommend passaging further and testing again at p13+



SFCxxx-xx-xx **SFC865-03-07** SFCxxx-xx-xx SFCxxx-xx-xx **+ control**

Product sizes: SeV 181bp; KOS 528bp; SeV-Klf 410bp; SeV-Myc 532bp; Actin 623bp

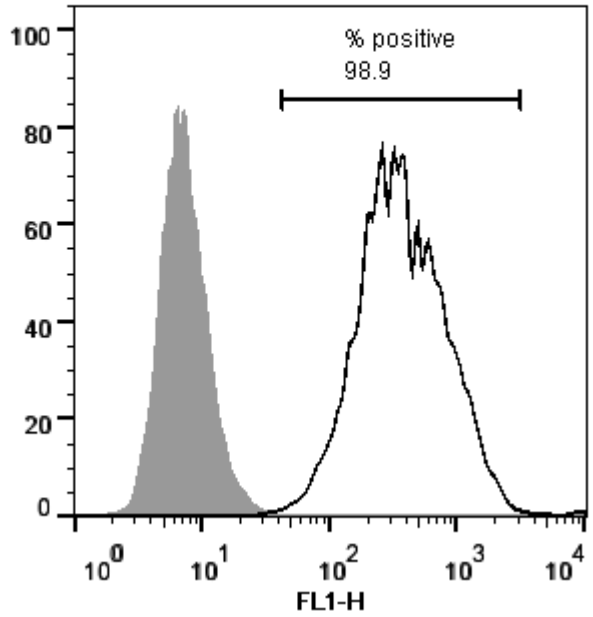
Mycoplasma Test:
According to MycoAlert Lonza LT07-318 undetectable at passage 10

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				5.428	153.9	**28.35**
-ve control				3.384	0.385	**0.11**
	SFC865-03-07	**p10**	**OP**	**0.974**	**0.463**	**0.48**

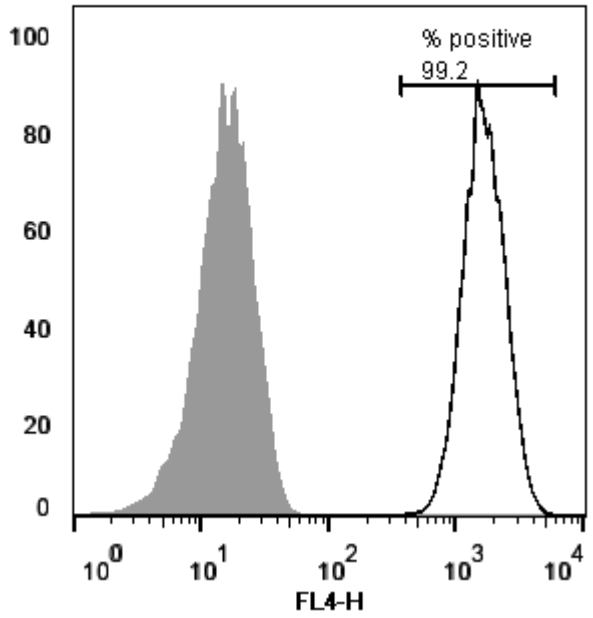
Results mean
Ratio **0 - 0.999** negative for mycoplasma
Ratio **1 – 1.3** Borderline Result (retest required)
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage p11

Tra-1-60:



NANOG:



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

- Passage 10
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB