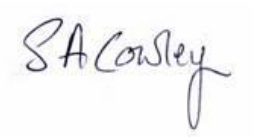
Certificate of analysis

SFC249-03-06

Operator: C Browne Date: 24/10/17

Supervisor: Sally Cowley Date: 25/02/2018

Signature: 

Source of fibroblasts and reprogramming information

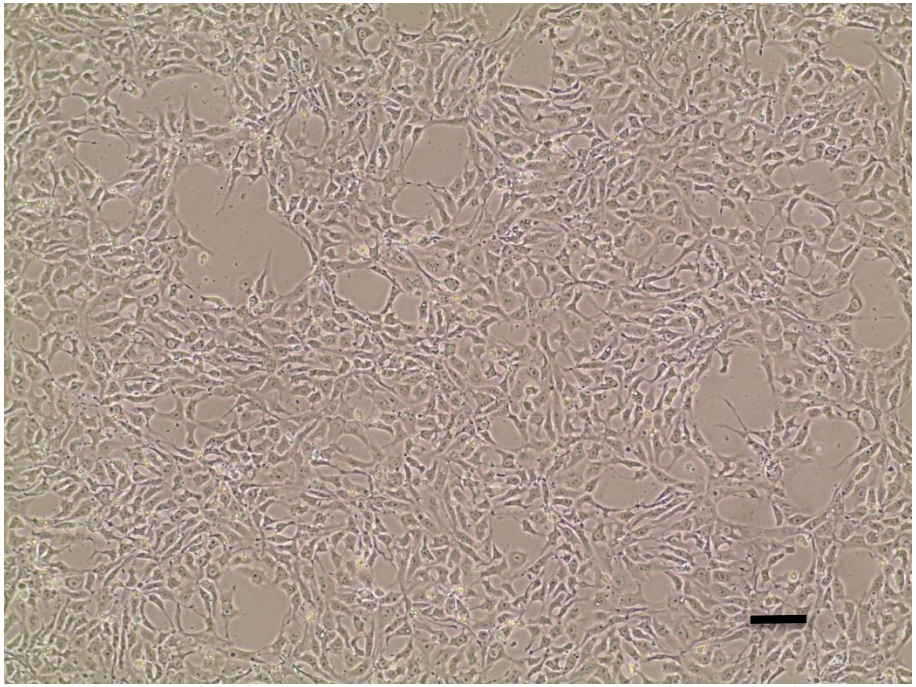
- SF246 from UOXF

  04/06/2015
- Reprogrammed at UOXF-S
- Reprogrammed on 12/05/2016 at passage 3 OP
- Cytotune v2 WP3 SOP10

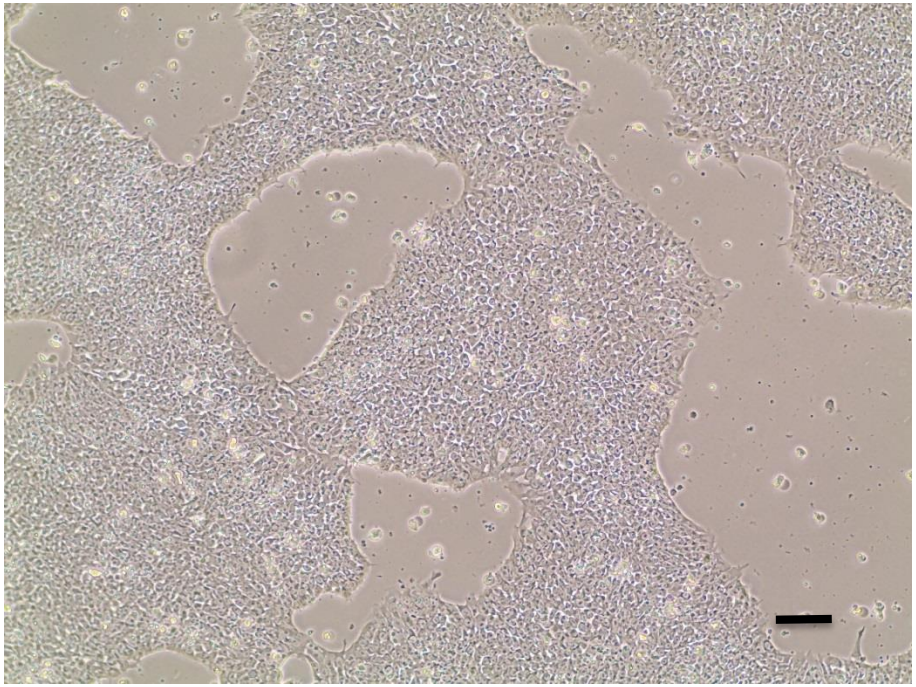
Viability post-thaw and Morphology according to SOP19 passage 11

- Cell count immediately post-thaw 2.75 x 10^6
- Viability immediately post-thaw 92.1%
- Photo at 24h and day 4 post-thaw (scale bar = 100µm):

24h post-thaw 80% plated

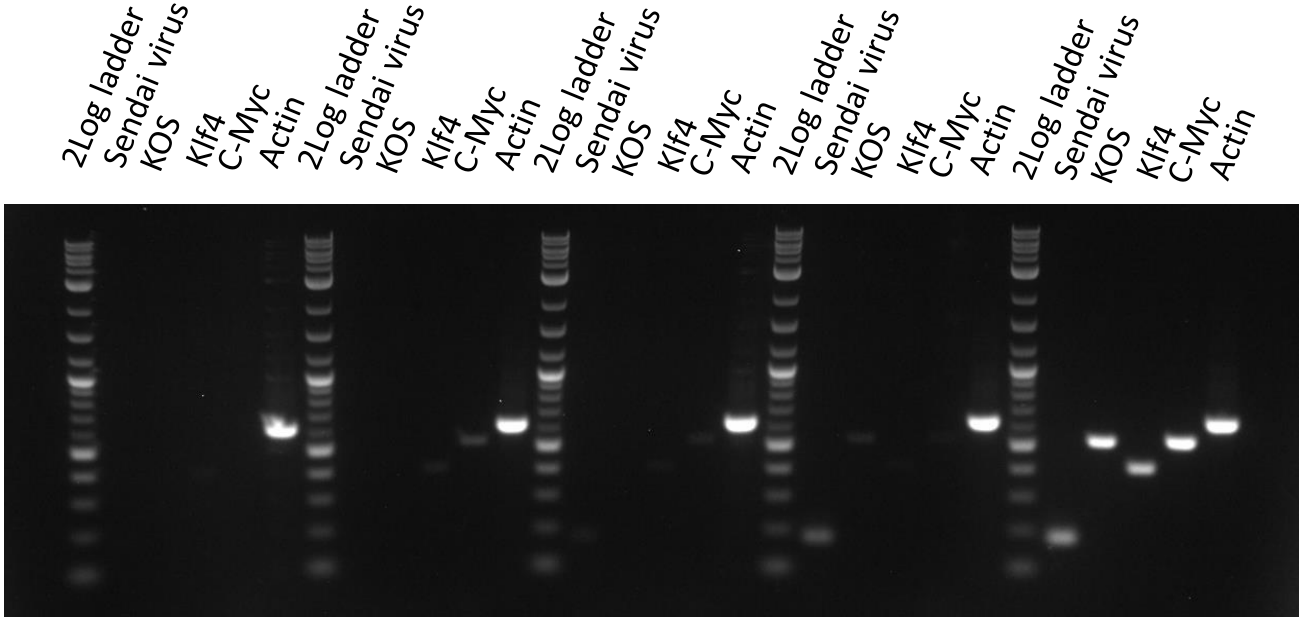


Day 4 post-thaw 20% plated



Sendai Cytotune 2 clearance: according to WP3 SOP15

Low level of residual myc virus detected at passage 11 – recommend passaging upon receipt and retesting at p14+



SFC088-03-05 **SFC249-03-06** SFC846-03-02 OXSMA-03-08 + control

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

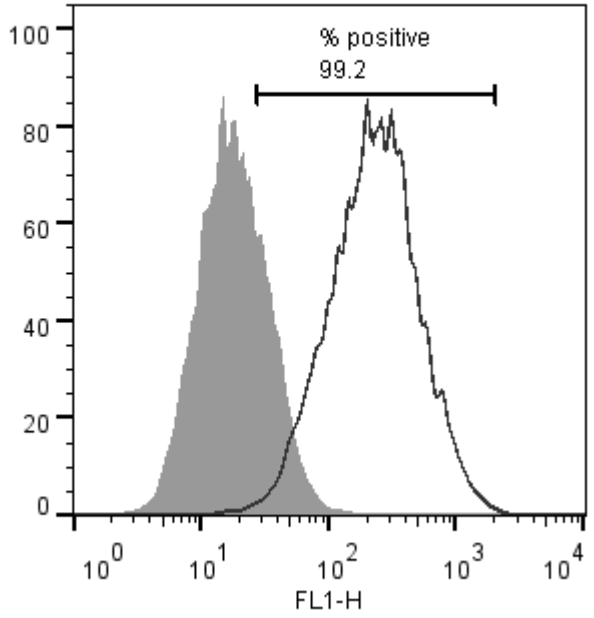
Mycoplasma Test:
According to MycoAlert Lonza LT07-318 undetectable at passage 11

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				2.857	78.45	**27.46**
-ve control				3.453	0.336	**0.10**
7	SFC249-03-06	p11	CB	1.14	0.87	**0.76**

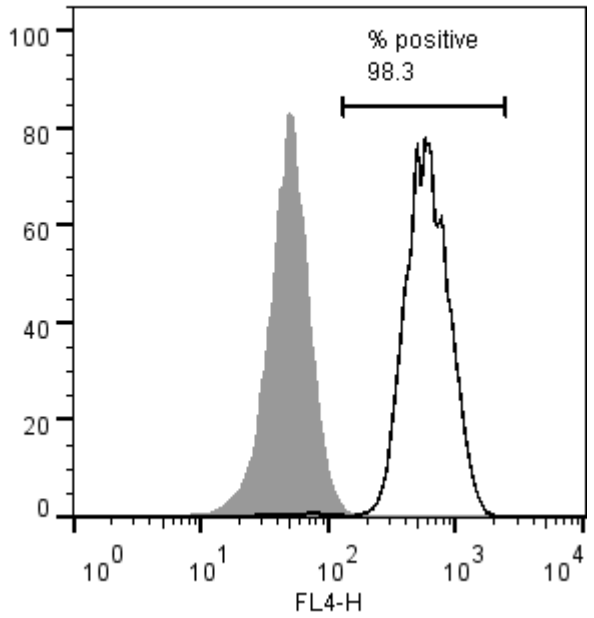
Results mean
Ratio **0 - 0.999** negative for mycoplasma
Ratio **1 – 1.3** Borderline Result (retest required)
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to WP3 SOP 20 and 21 passage 11

Tra-1-60:



NANOG:



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

- Passage 11
- Identity to parent fibroblasts confirmed by Genomestudio Scatterplot
- No gross karyotype abnormalities detected by Karyostudio