Certificate of analysis

SFC013-07-01

Signature: Katja Gassner Date: 18.05.2015

Supervisor signature: Linda Lako

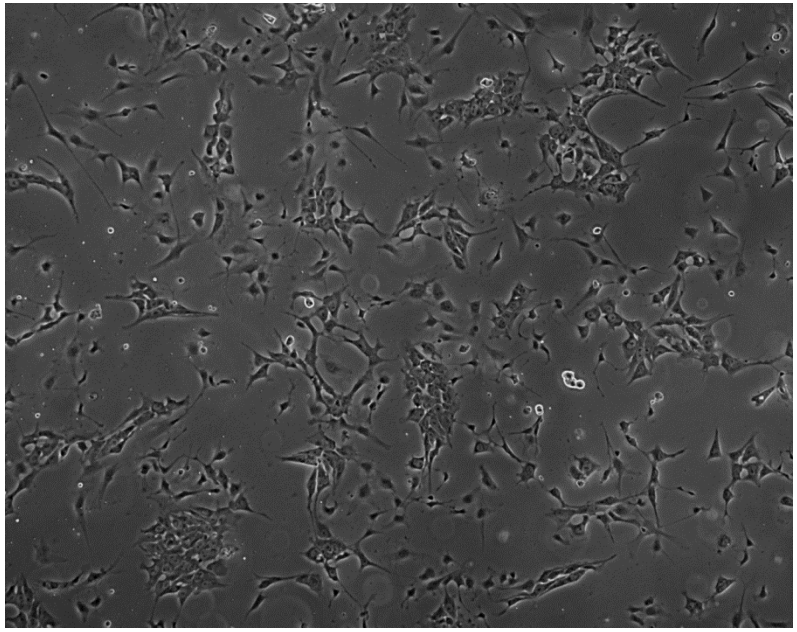
Date: 19.05.2015

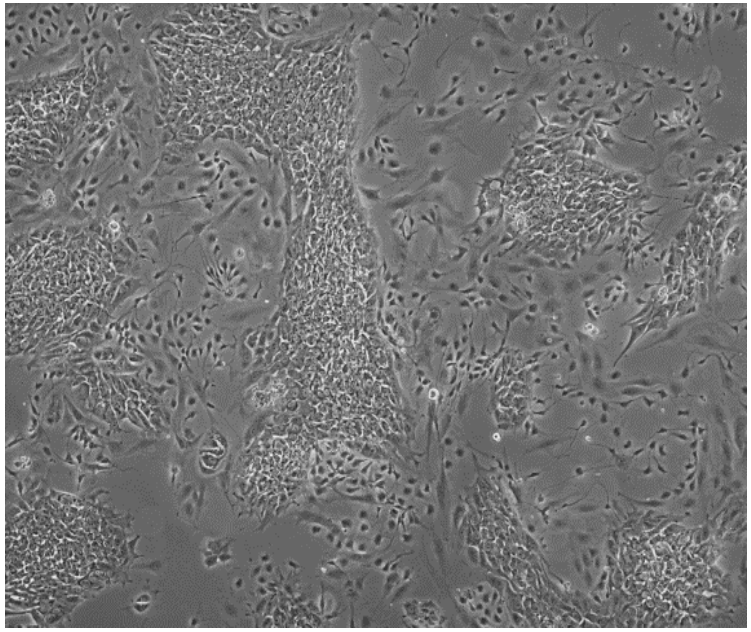
Source of fibroblasts and reprogramming information

- SF013 from UOXF
- Reprogrammed at UNEW
- Reprogrammed on 16/01/2015 at passage 8
- Cytotune 2

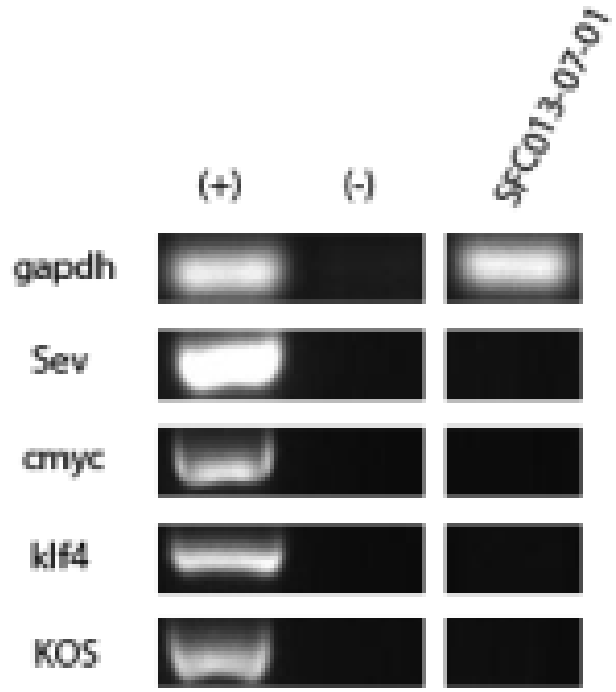
Viability post-thaw and Morphology according to SOP19 passage 11

- Cell count immediately post-thaw 1.4 x 10^6 cells
- Viability immediately post-thaw 86%
- Photo at 24h and 4 days post-thaw:





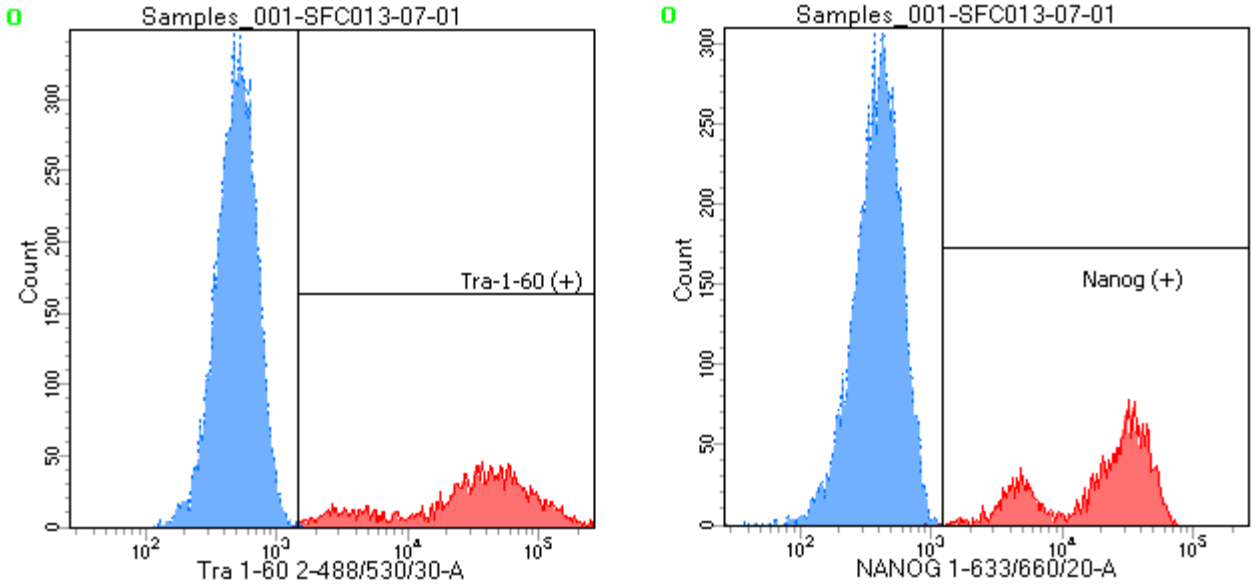
Sendai clearance: according to WP3 SOP15 undetectable at passage 11



Mycoplasma test:
According to MycoAlert Lonza LT07-318
Undetectable at passage 11

Owner	KG					
Date	09/06/2015					
Cell name	SFC013-07-01					
A	0.029					
B	0.0096					
B/A	0.331034483					
> 1.2		Mycoplasma Contaminated			Positive Control	Negative Control
0.9-1.2		Status Unknown - Restest within 24 hours			0.0231	0.0862
0-0.9		Mycoplasma Free			1.769	0.0062
					76.58008658	0.071925754

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



Tube: SFC013-07-01

Population	#Events	%Parent	%Total
All Events	10,476	####	100.0
Cells	2,582	24.6	24.6
Tra-1-60 (+)	2,563	99.3	24.5
Nanog (+)	2,561	99.2	24.4
Samples_001/13UN/All Events	20,000	####	100.0
Samples_001/13UN/P1	7,903	39.5	39.5

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

- Passage 11
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected
- For details and raw data see StemDB

Comments

- Clone prone to differentiation (see flow results weak positive population (2nd peak)) > ReLESR Passaging after thawing recommended
  - Add 1ml ReLESR, incubate for 1 min at 37˚C
  - Remove ReLESR, incubate for 4 min at RT
  - Add medium **dropwise** to collect undifferentiated cells