



S I R W I L L I A M  
**DUNN SCHOOL**  
O F P A T H O L O G Y

# Certificate of analysis

DRICUi027-A

Operator: SH Ellwood Date: 19/06/2023

Supervisor: SA Cowley Date: 02/08/2023

Signature: *SA Cowley*

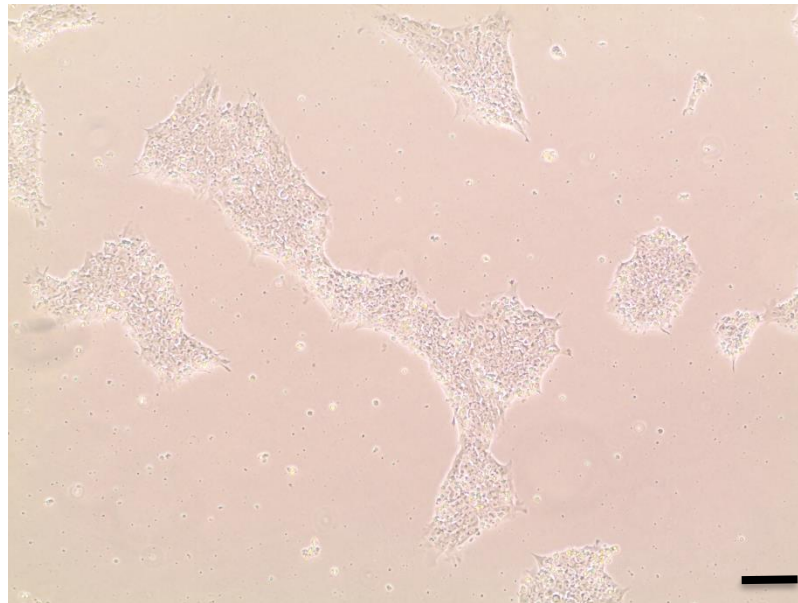
# Source of cells and reprogramming information

- ADCAR20186CA T cells from Cardiff  
10/05/2022
- Reprogrammed at UOXF AKA IPMAR31
- Reprogrammed on 06/2022 SC/SE
- Reprogramming system Cytotune v2
- Clone DRICUi027-A = IPMAR31B2
- Banked at p13 11/2022 SE

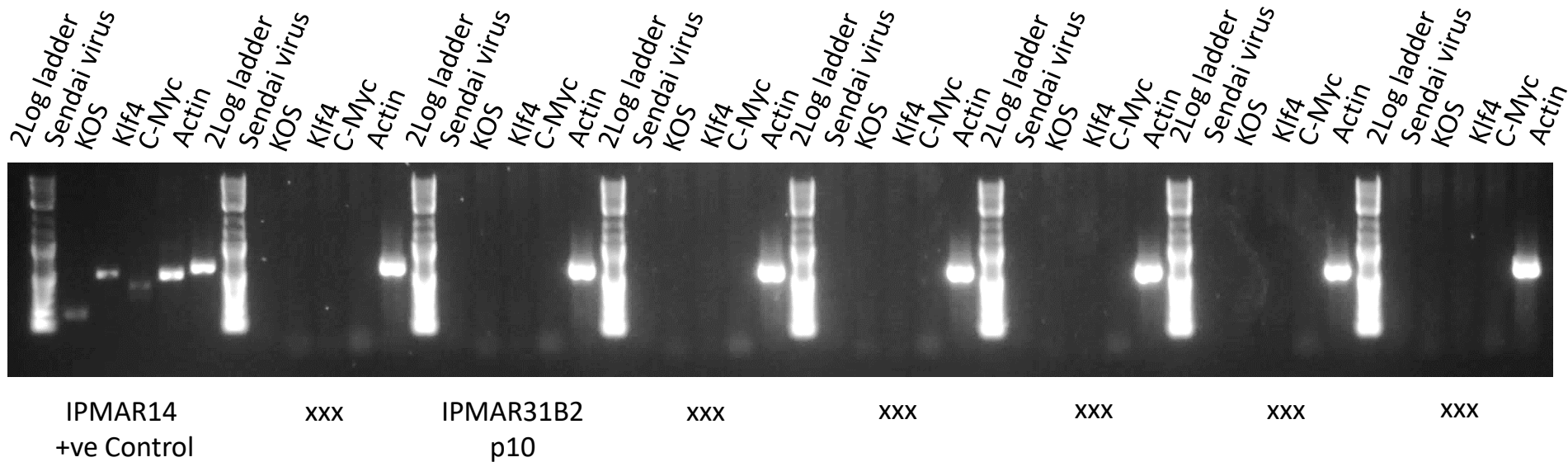
# Viability post-thaw and Morphology according to JMSCFSOP19 passage 14

- Vial cell count immediately post-thaw  $2.0 \times 10^6$
- Viability immediately post-thaw 76%
- Photo at day 3 post-thaw (scale bar =  $100\mu\text{m}$ ):

Day 3 post-thaw, 20% plated to 1w.6wp



# Sendai Cytotune 2 clearance: according to Cytotune manual Virus undetectable at passage 10



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

# Sterility:

Mycoplasma Test: According to MycoAlert Lonza LT07-318 undetectable at passage 14.

Visual inspection of thawed cells cultured without antibiotic/antimycotic for 4 days:  
no evidence of bacteria, yeast or fungus.

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				0.888	114.2	<b>128.60</b>
-ve control				3.476	0.816	<b>0.23</b>
	IPMAR31B2 DRICUi027-A	14	SE	1.101	0.867	<b>0.78</b>

Results mean:

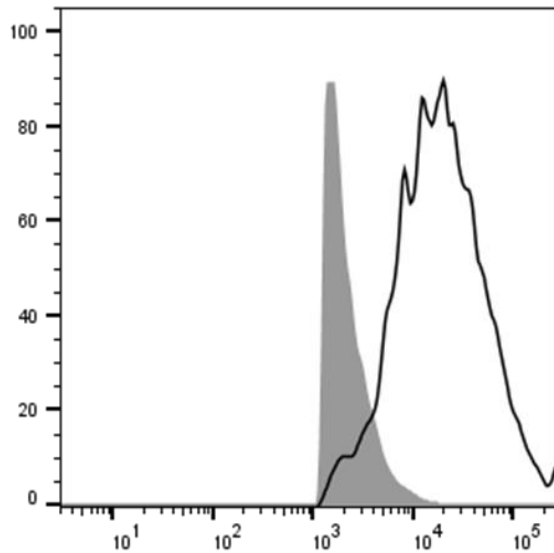
Ratio **0 - 0.999** negative for mycoplasma

Ratio **1 – 1.3** Borderline Result (retest required)

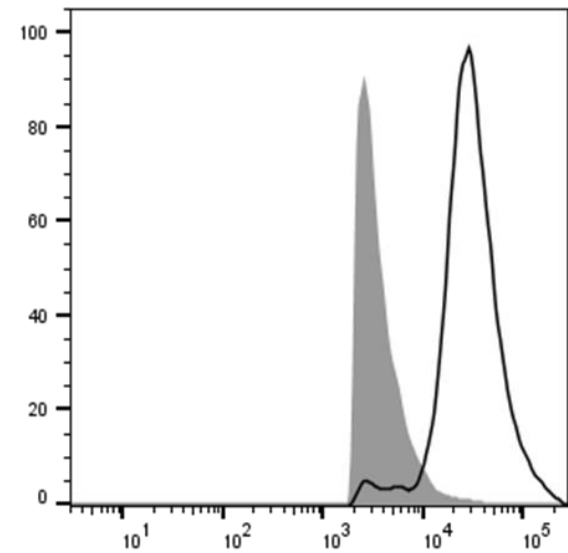
Ratio above **1.3** positive for mycoplasma

# Flow cytometric analysis according to JMSCFSOP05 passage 14

DRICUi027 Tra-1-60 82.8%



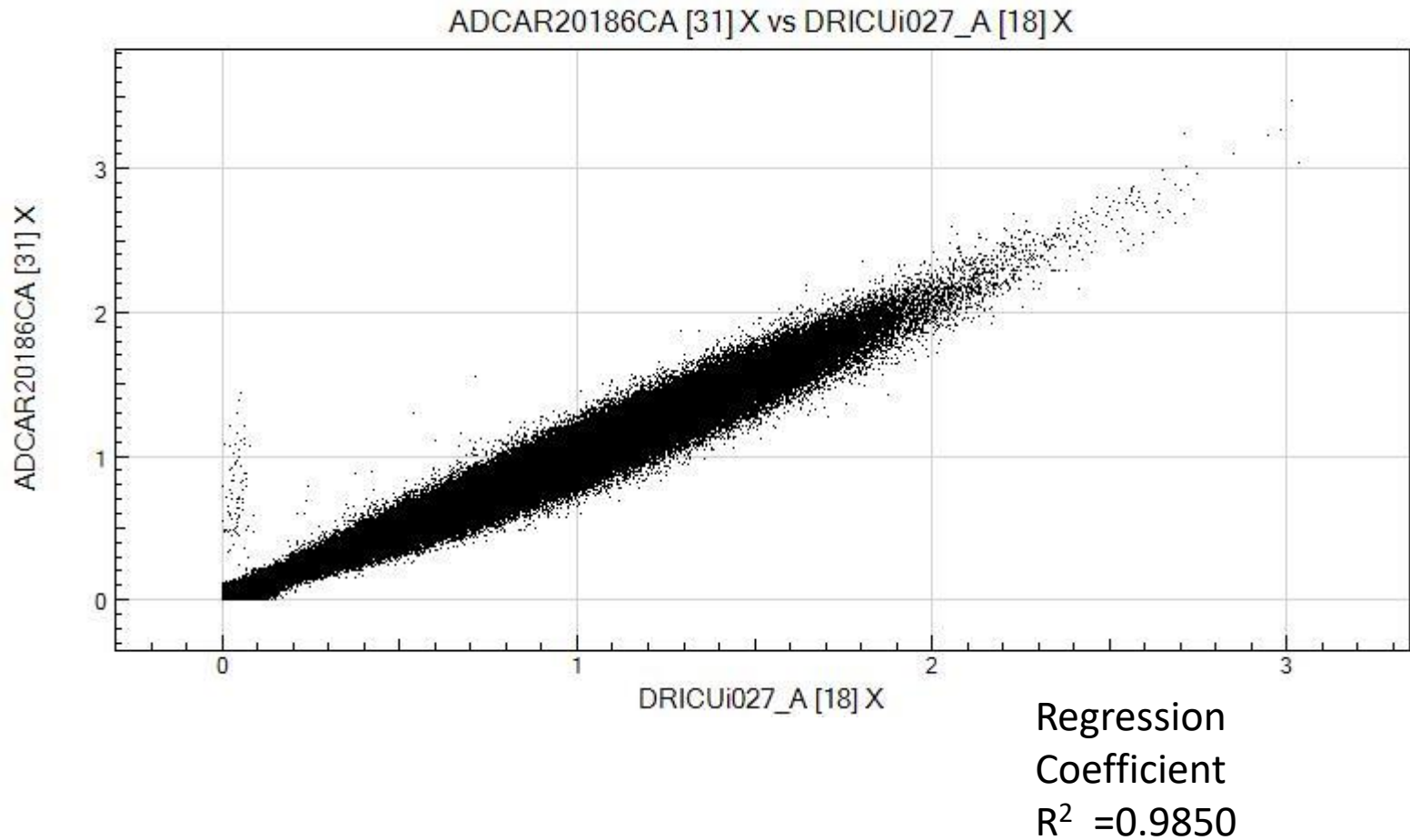
DRICUi027 Nanog 79.7%



# Illumina GSA SNP analysis according to JMSCFSOP16

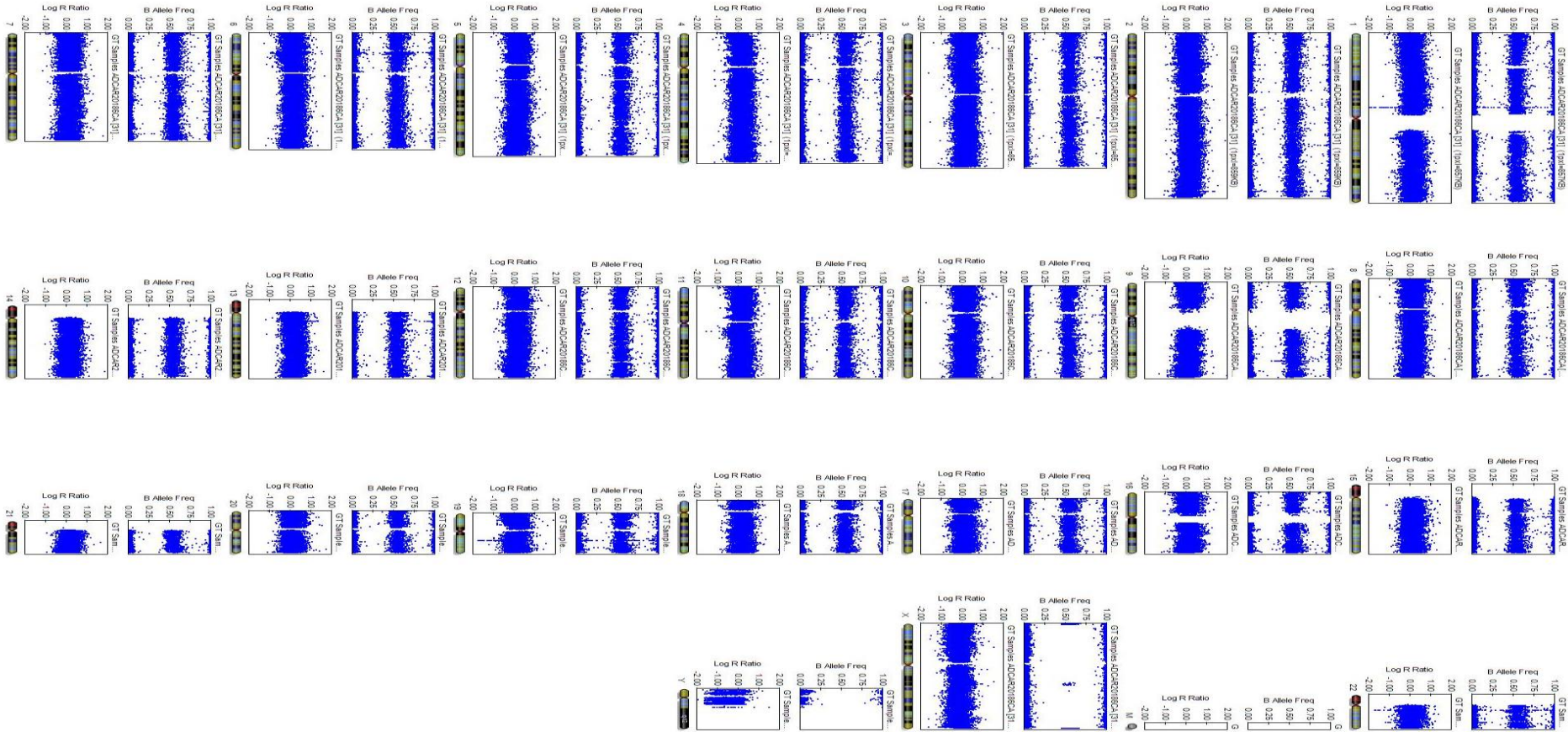
- Passage 13
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
  - No gross abnormalities detected vs PBMC

# Alignment of ADCAR20186CA PBMC SNPs with DRICUi027-A





# Karyogram ADCAR20186CA PBMC



# Karyogram DRICUi027-A

