



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

DRICUi028-A

Operator: SH Ellwood Date: 23/06/23

Supervisor: SA Cowley Date: 02/08/2023

Signature: *SA Cowley*

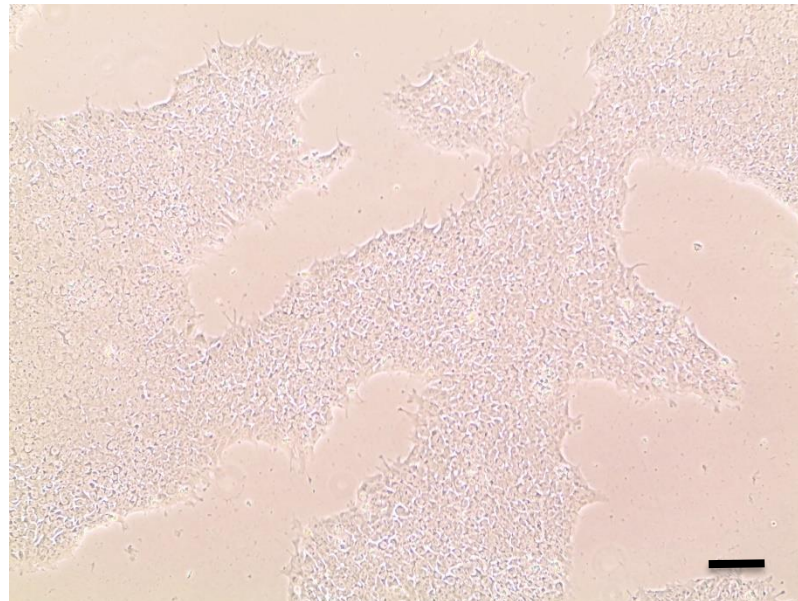
Source of cells and reprogramming information

- NE37A10025A T cells from Cardiff 26/07/2023
- Reprogrammed at UOXF AKA IPMAR33
- Reprogrammed on 08/2022 SE
- Reprogramming system Cytotune v2
- Clone DRICUi028-A = IPMAR33A2
- Banked at p13 11/2022 SE

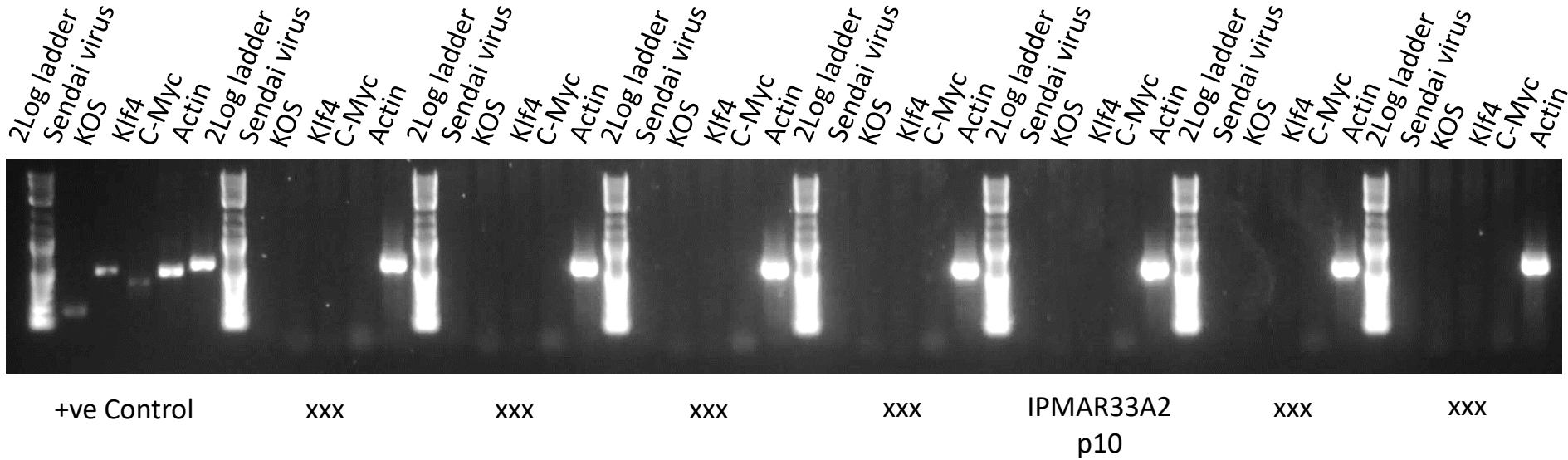
Viability post-thaw and Morphology according to JMSCFSOP19 passage 14

- Vial cell count immediately post-thaw 1.67×10^6
- Viability immediately post-thaw 90.3%
- Photo at day 3 post-thaw (scale bar = 100 μ 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 15.

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				6.804	128.2	18.84
-ve control				8.928	0.872	0.10
	IPMAR33A2 DRICUi028-A	p15	SE	1.995	0.957	0.48

Results mean:

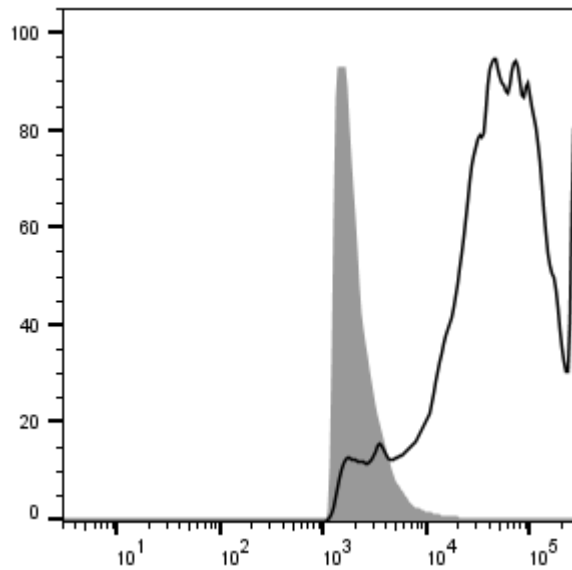
Ratio **0 - 0.999** negative for mycoplasma

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

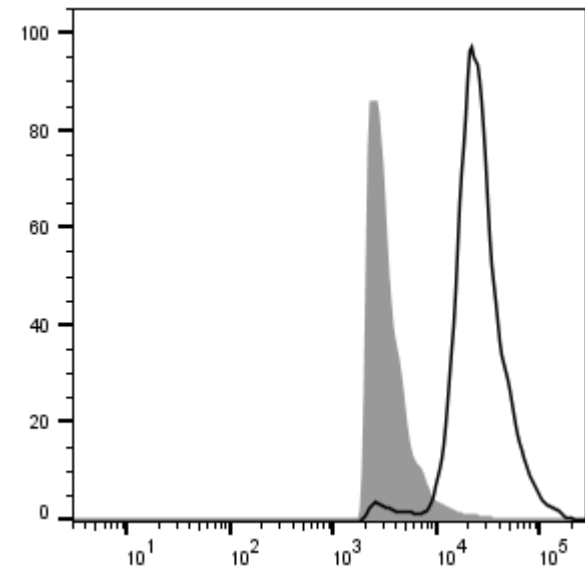
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to JMSCFSOP05 passage 15

DRICUi028 Tra-1-60 88.4%



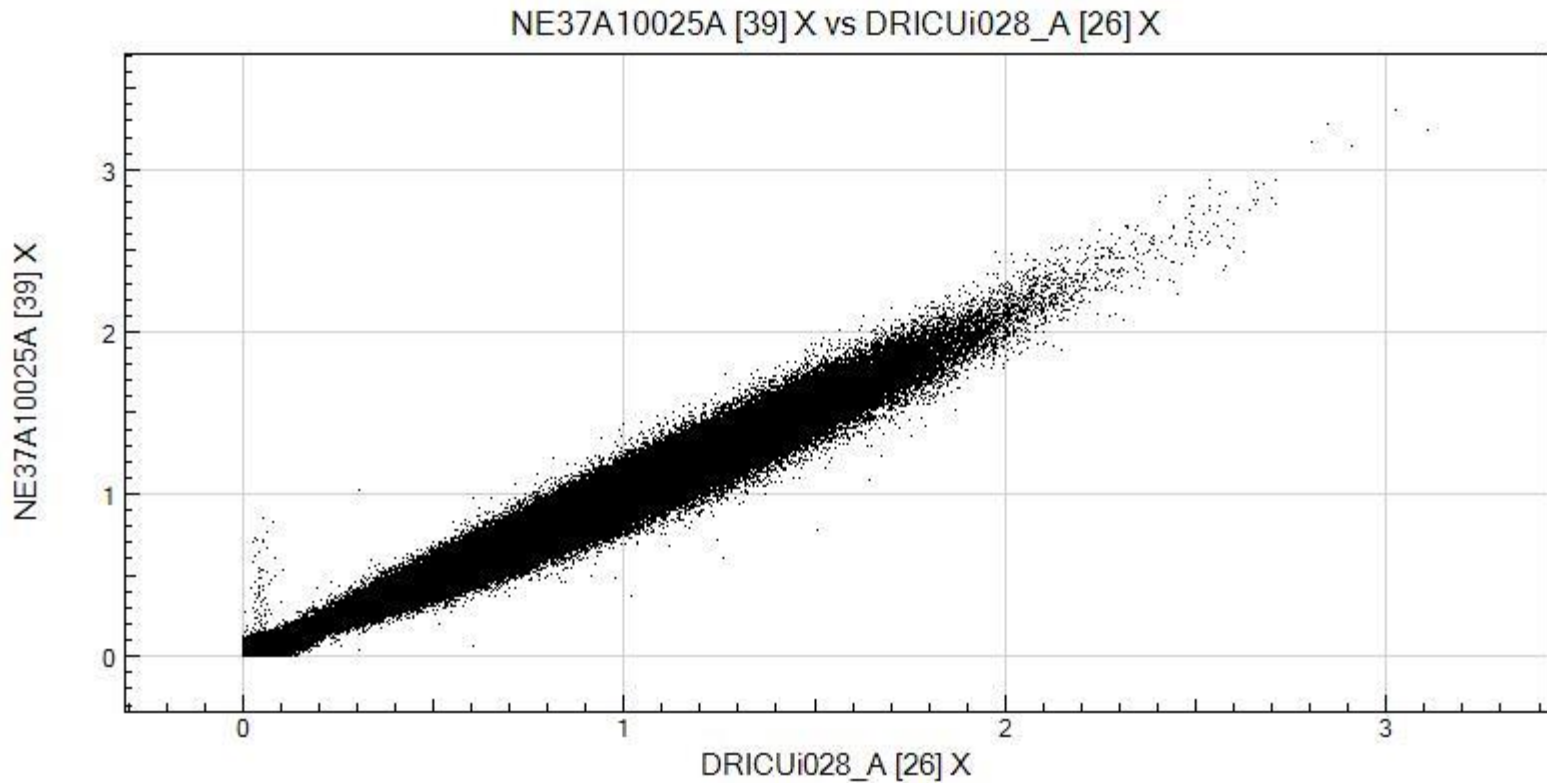
DRICUi028 Nanog 78.8%



Illumina GSA SNP analysis according to JMSCFSOP16

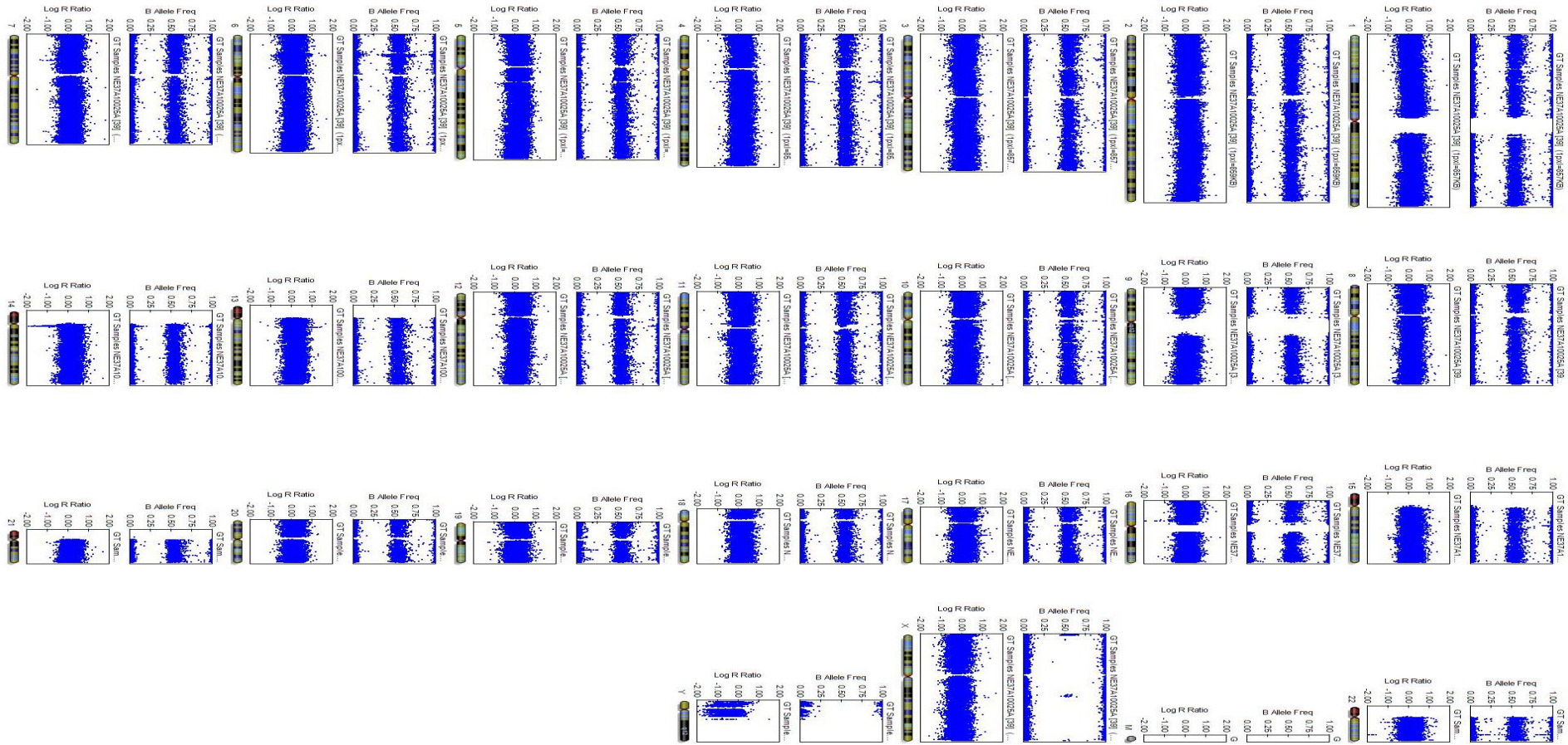
- Passage 13
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
 - No gross abnormalities detected vs PBMC

Alignment of NE37A10025A PBMC SNPs with DRICUi028-A



Regression
Coefficient
 $R^2 = 0.9875$

Karyogram NE37A10025A PBMC



Karyogram DRICUi028-A

