



**IPMAR**

IPSC Platform to Model Alzheimer's Disease Risk

# Certificate of analysis

DRICUi044-A

Operators: J Winston/C Bridge/R O'Donoghue

Date: 04/06/26

Supervisor: H Hall-Roberts

Date: 19/06/2026

Signature: *HCRoberts*

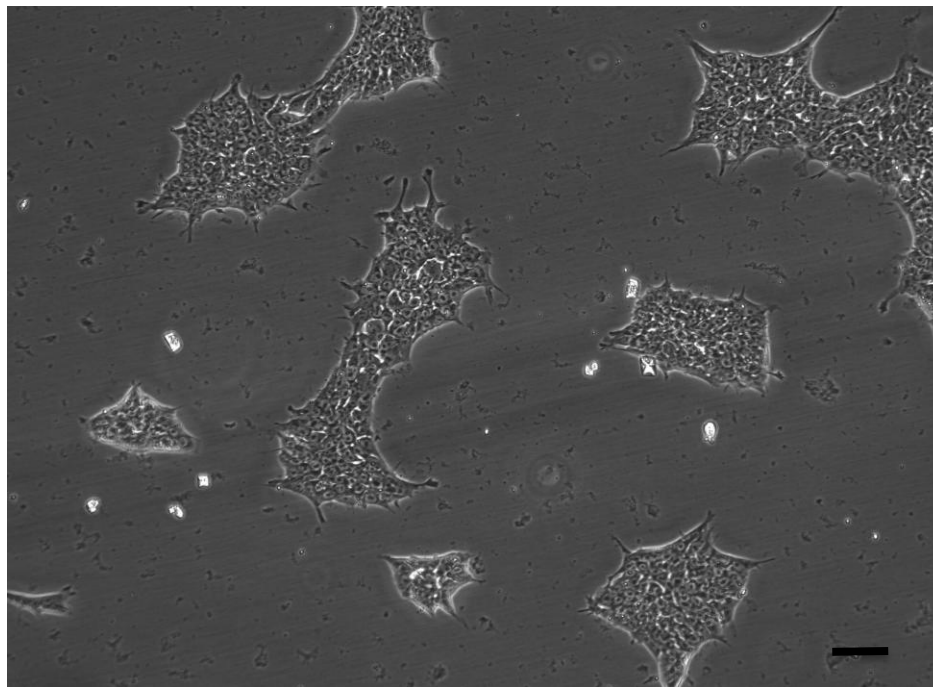
# Source of cells and reprogramming information

- ADANG14363UC T cells from Cardiff 21/02/23
- Reprogrammed at UOXF AKA IPMAR50
- Reprogrammed on 03/2023 Sally Cowley/  
Sarah Ellwood (Oxford)
- Reprogramming system Cytotune v2
- Clone DRICUi044-A = IPMAR50B5
- Banked at p13, 17/03/25, Jincy Winston  
(Cardiff)

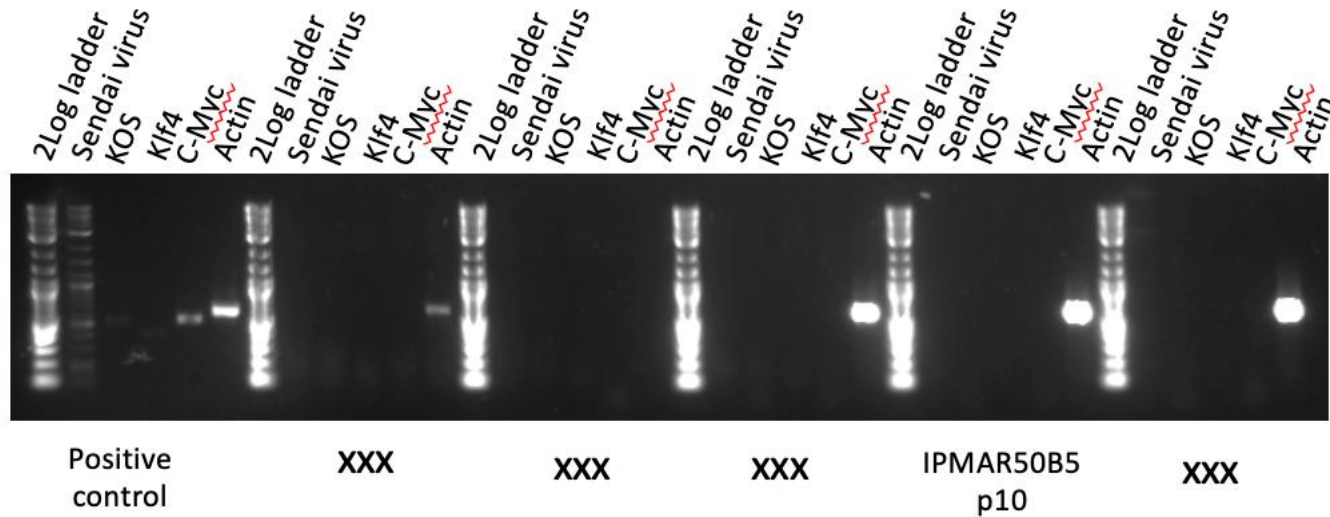
# Viability post-thaw and Morphology according to JMSCFSOP19 passage 14

- Vial cell count immediately post-thaw  $9.89 \times 10^5$
- Viability immediately post-thaw 92%
- Photo at day 2 post-thaw (scale bar =  $100\mu\text{m}$ ):

Day 2 post-thaw, 25% 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

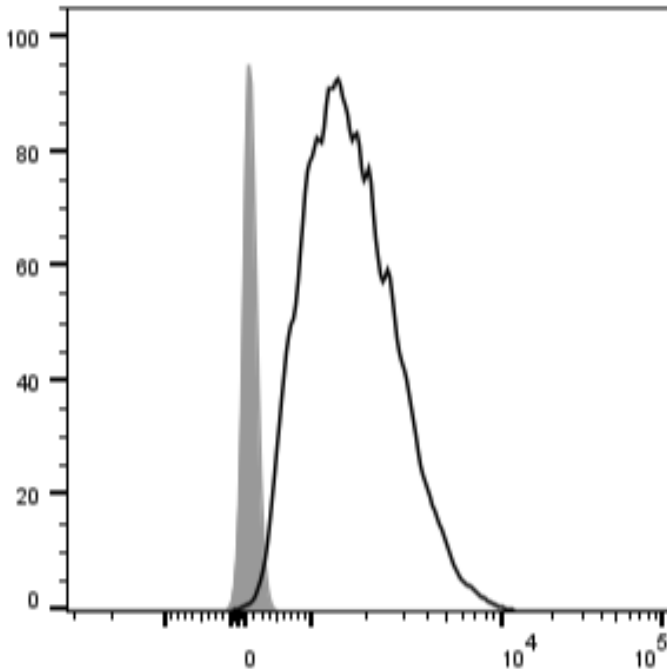
# Sterility:

Mycoplasma test performed by Eurofins Genomics on 10/03/2026, undetectable at passage 15.

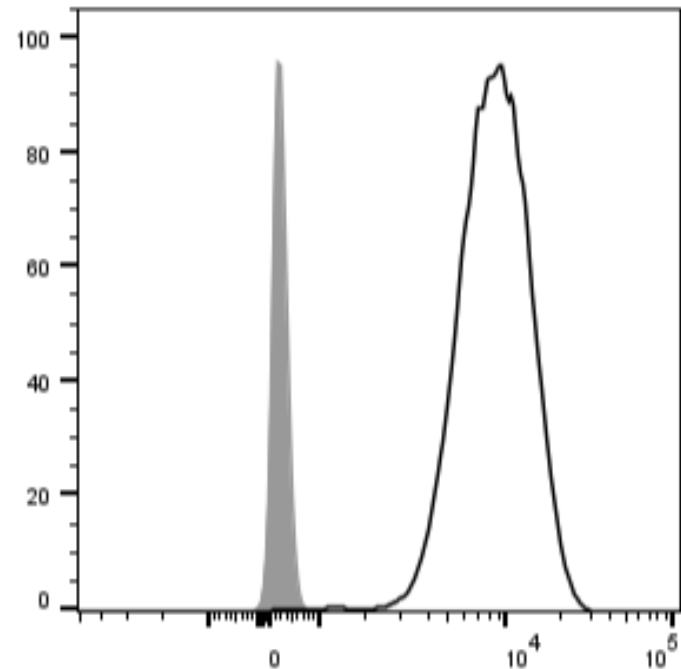
Visual inspection of thawed cells cultured without antibiotic/antimycotic for 4 days:  
no evidence of bacteria, yeast or fungus.

# Flow cytometric analysis according to JMSCFSOP05 passage 14

**DRICUi044-A TRA-1-60 99.1%**



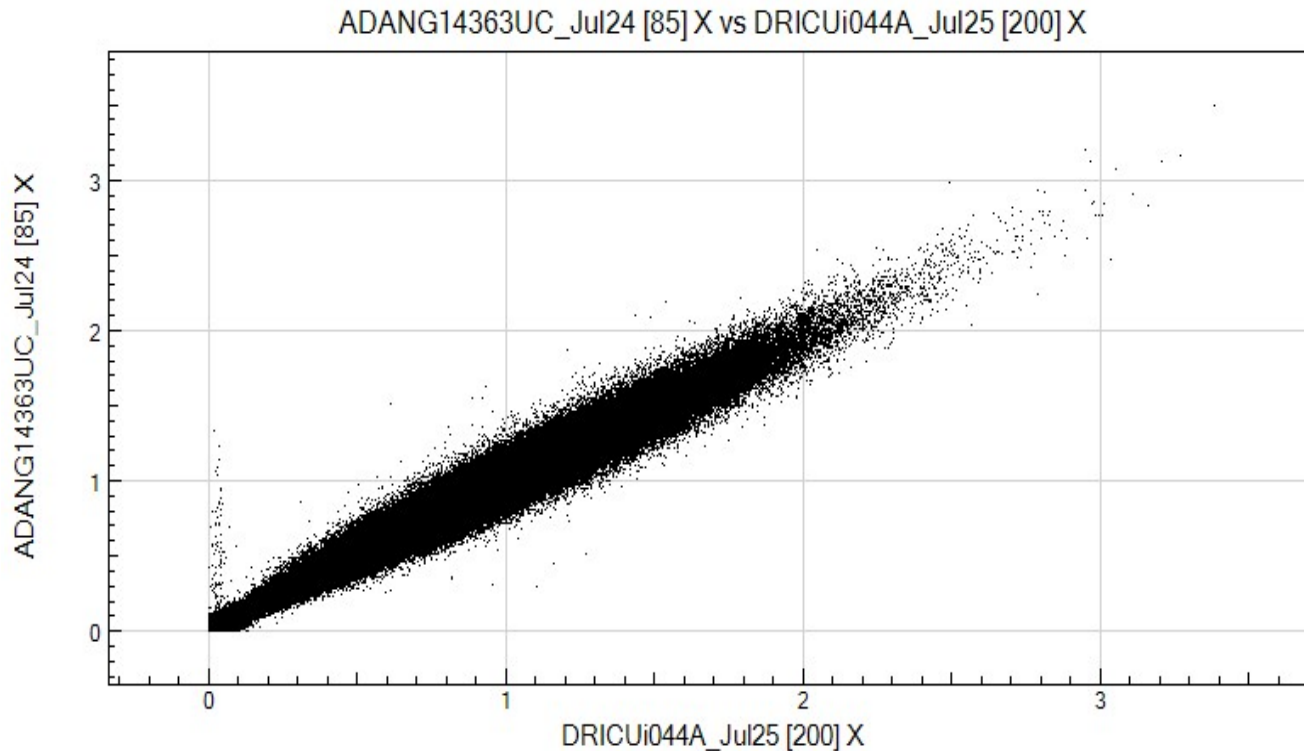
**DRICUi044-A Nanog 99.8%**



# Illumina GSA SNP analysis according to JMSCFSOP16

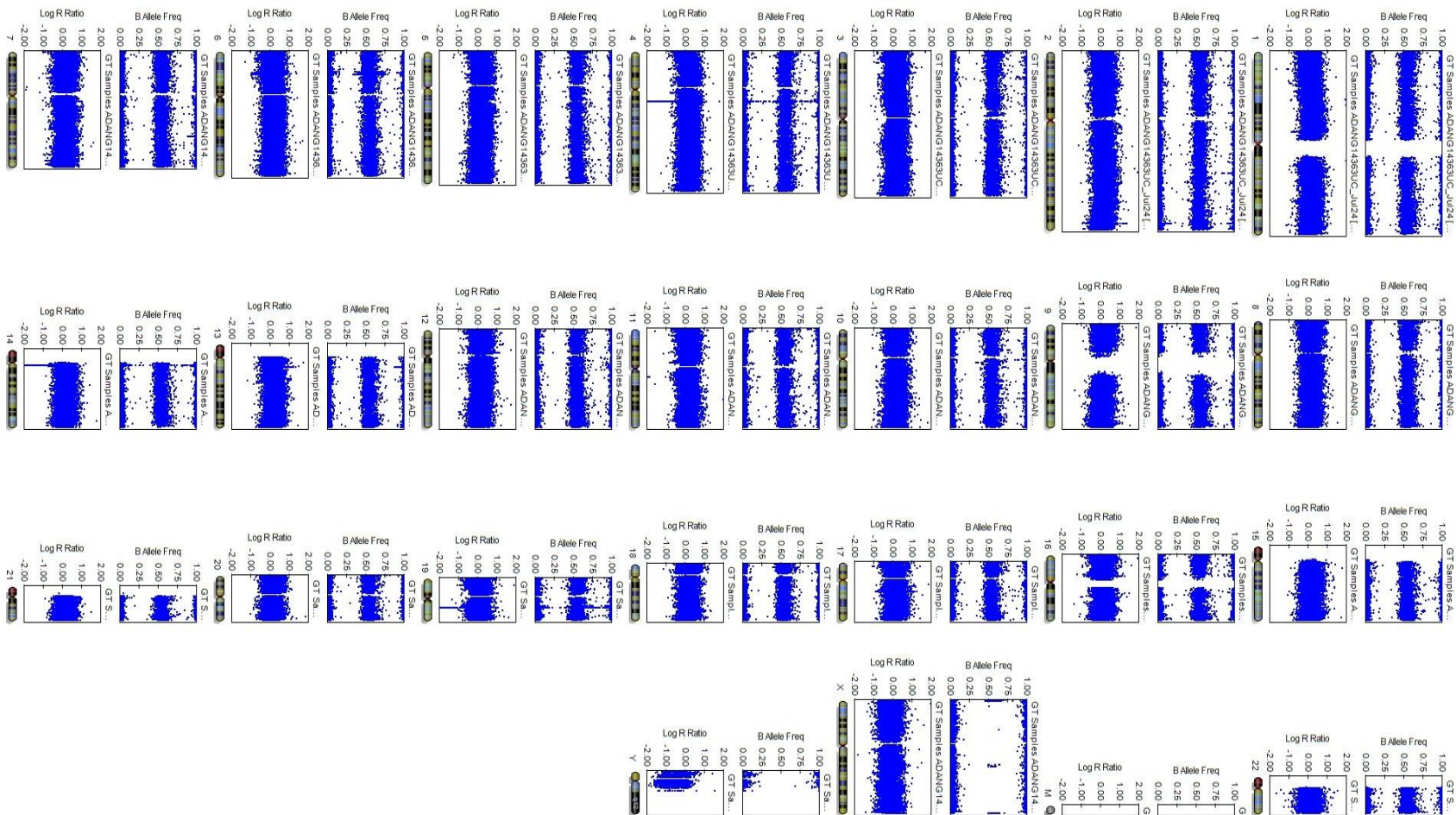
- Passage 13
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
  - No gross abnormalities detected vs PBMC

# Alignment of ADANG14363UC PBMC SNPs with DRICUi044-A



Regression Coefficient  $R^2$  : 0.9851

# Karyogram ADANG14363UC PBMC



# Karyogram DRICUi044-A

