IPMAR

IPSC Platform to Model Alzheimer's Disease Risk

# Certificate of analysis

## DRICUi008-A

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

Date: 03/06/2026

Supervisor: H Hall-Roberts

Date: 19/6/2026

Signature: 

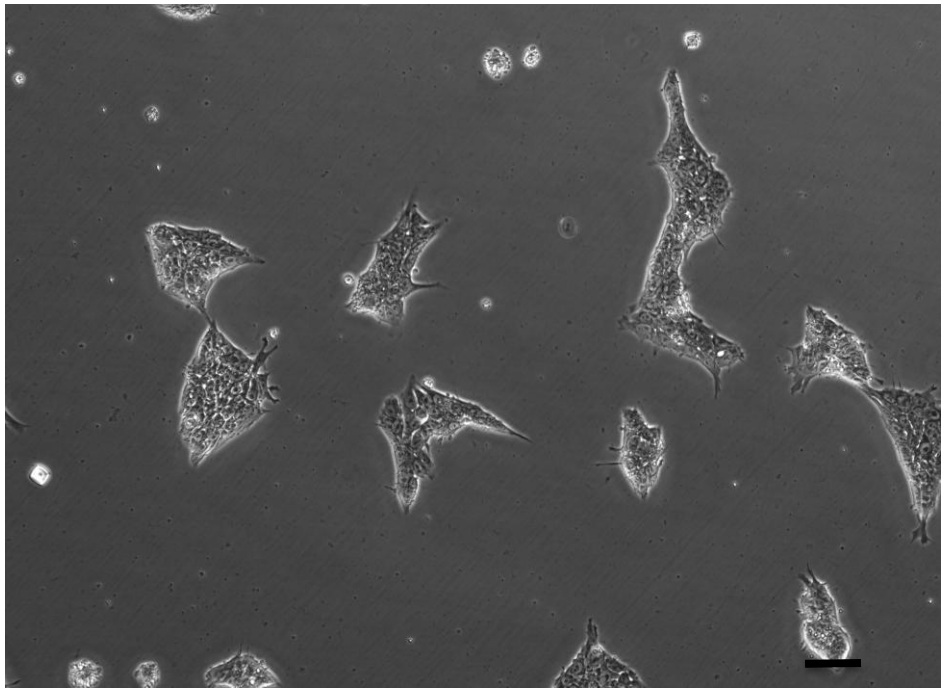
# Source of cells and reprogramming information

- ADANG14293UC T cells from Cardiff 27/07/2021
- Reprogrammed at UOXF AKA IPMAR09
- Reprogrammed on 09/2021 Sally Cowley/ Sarah Ellwood (Oxford)
- Reprogramming system Cytotune v2
- Clone DRICUi008-A =IPMAR09E8a4(subclone A7)
- Banked at p24, 12/2023 Emily Maguire (Cardiff)

# Viability post-thaw and Morphology according to JMSCFSOP19 passage 26

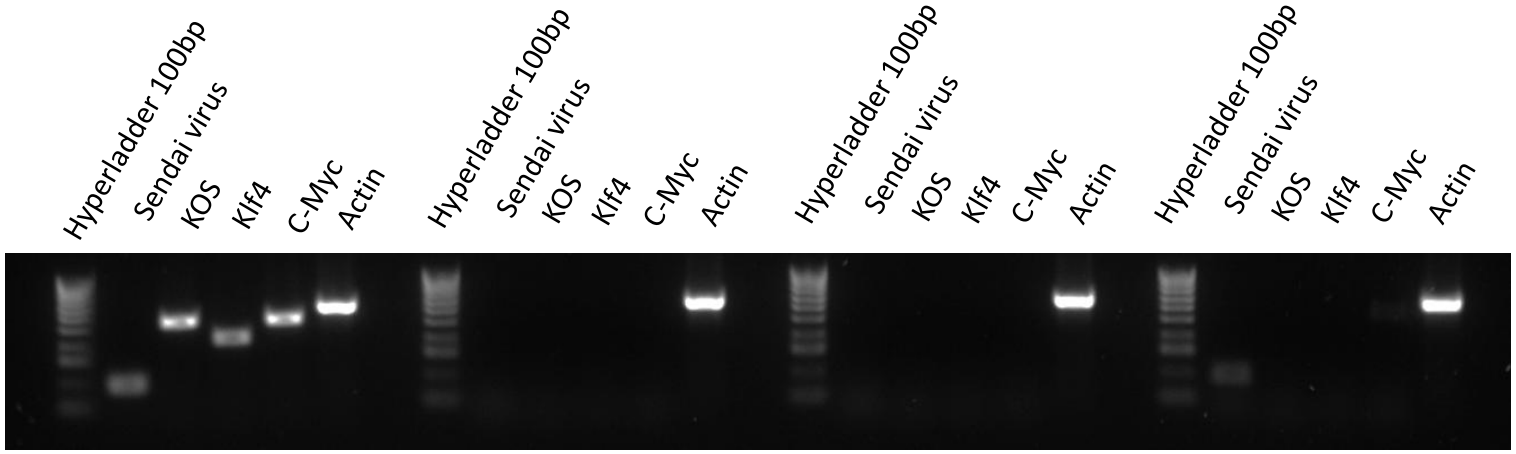
- Vial cell count immediately post-thaw 1.76 x $10^6$
- Viability immediately post-thaw 93.9%
- Photo at day 2 post-thaw (scale bar = 100µm):

Day 2 post-thaw, 25% plated to 1w.6wp



# Sendai Cytotune 2 clearance: according to Cytotune manual

## Virus undetectable at Passage 27



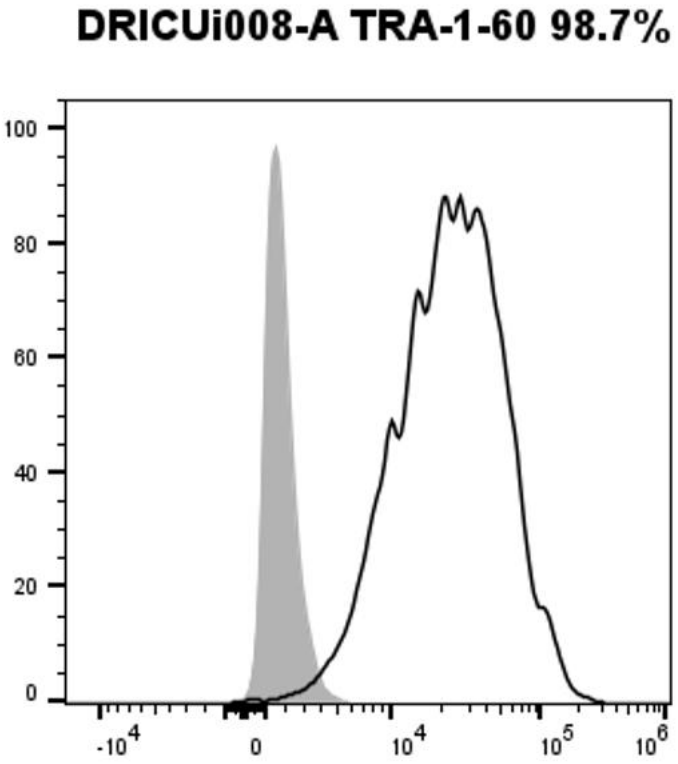

Product sizes: SeV 181bp; KOS 528bp; SeV-Klf 410bp; SeV-Myc 532bp; Actin 623bp

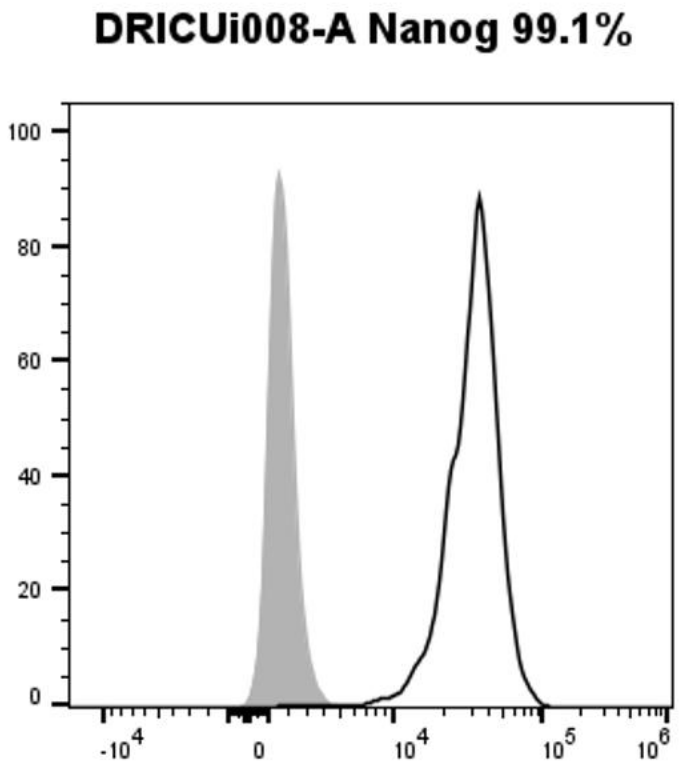
# Sterility:

Mycoplasma test performed by Eurofins Genomics on 27/04/26, undetectable at passage 28.

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 21

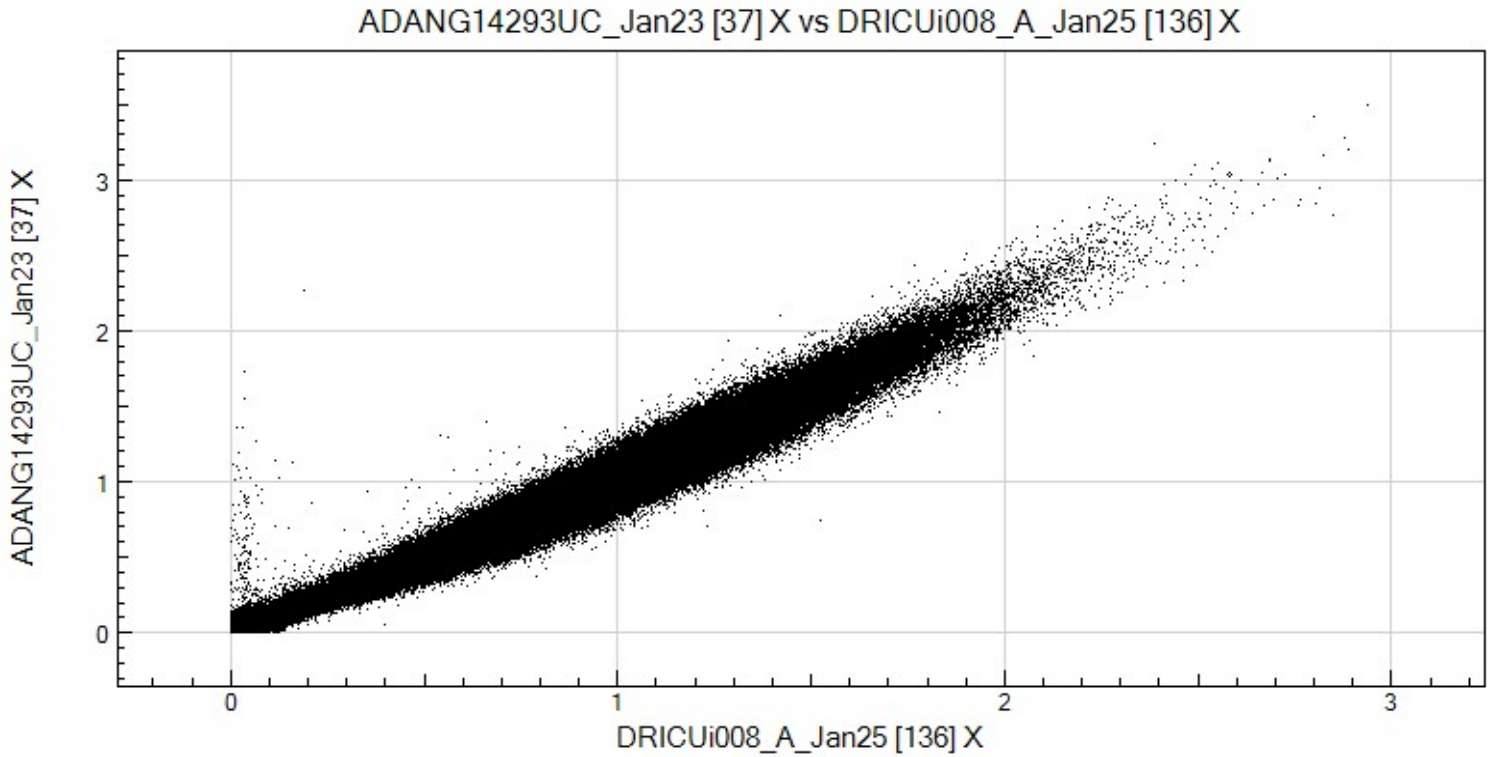


# Illumina GSA SNP analysis according to JMSCFSOP16

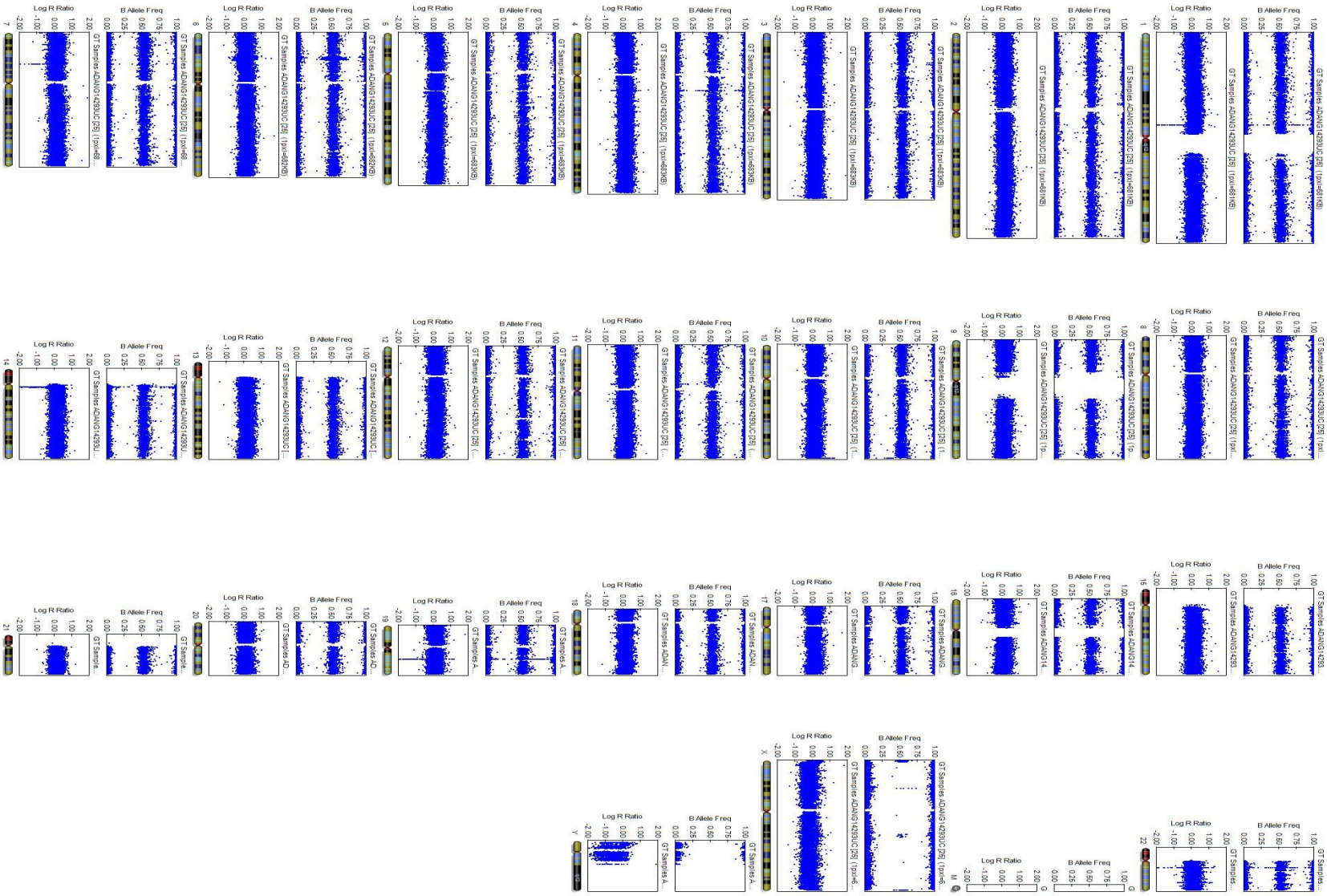
- Passage 26
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
  - No gross abnormalities detected vs PBMC

# Alignment of ADANG14293UC PBMC SNPs with DRICUi008-A




Regression Coefficient $R^2$ : 0.9830

# Karyogram ADANG14293UC PBMC



# Karyogram DRICUi008-A