IPMAR

IPSC Platform to Model Alzheimer's Disease Risk

Certificate of analysis

DRICUi047-A

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

Date: 04/06/2026

Supervisor: H Hall-Roberts

Date: 19/06/2026

Signature: 

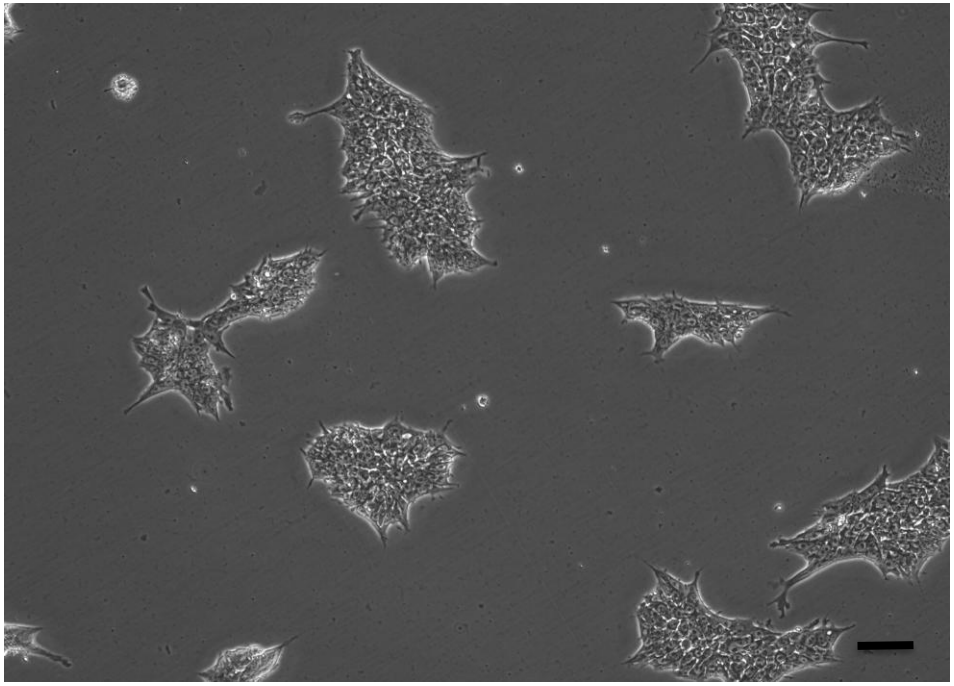
Source of cells and reprogramming information

- NE37A10018A T cells from Cardiff 28/03/23
- Reprogrammed at UOXF AKA IPMAR54
- Reprogrammed on 04/2023 Sally Cowley/ Sarah Ellwood (Oxford)
- Reprogramming system Cytotune v2
- Clone DRICUi047-A = IPMAR54A11
- Banked at p22, 08/08/25, Jincy Winston (Cardiff)

Viability post-thaw and Morphology according to JMSCFSOP19 passage 23

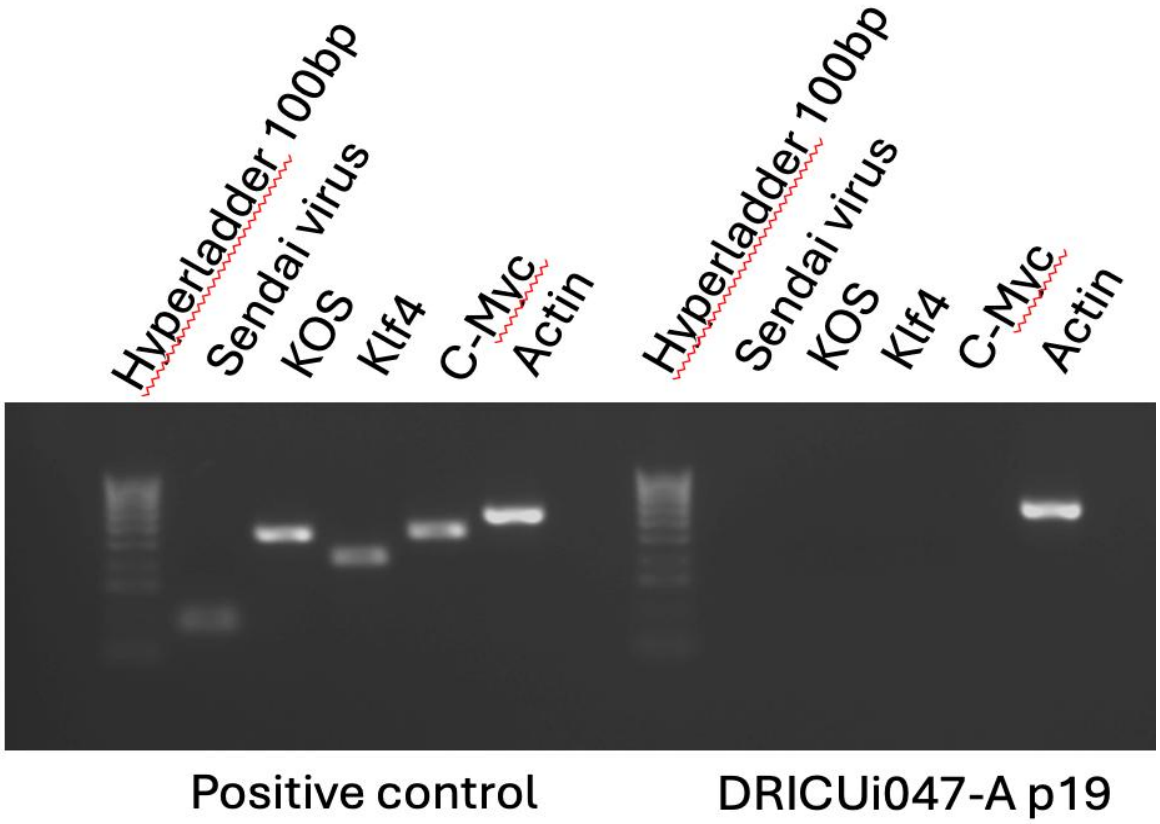
- Vial cell count immediately post-thaw 9.78x 10^5
- Viability immediately post-thaw 92.6%
- Photo at day 2 post-thaw (scale bar = 100µm):

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



Sendai Cytotune 2 clearance: according to Cytotune manual

Virus undetectable at passage 19



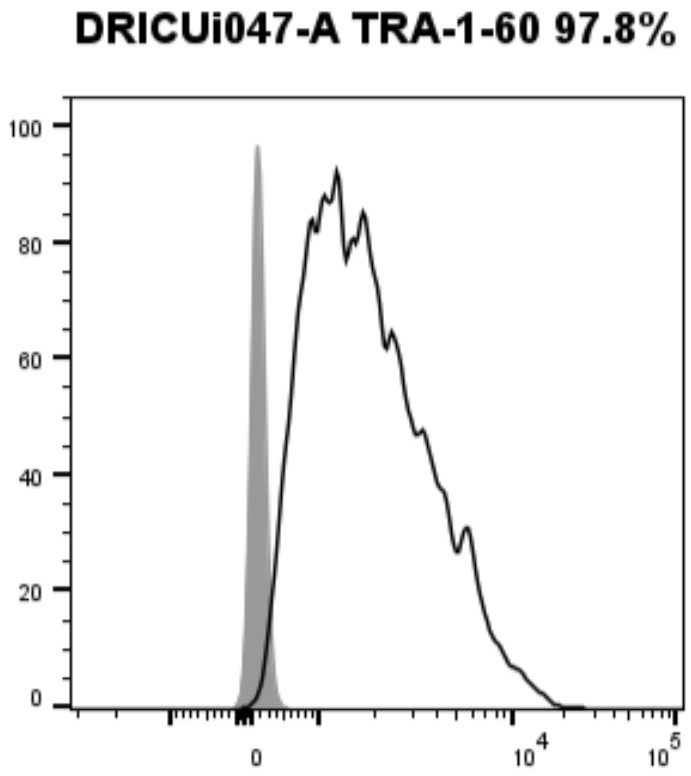
Product sizes: SeV 181bp; KOS 528bp; SeV-Klf 410bp; SeV-Myc 532bp; Actin 623bp

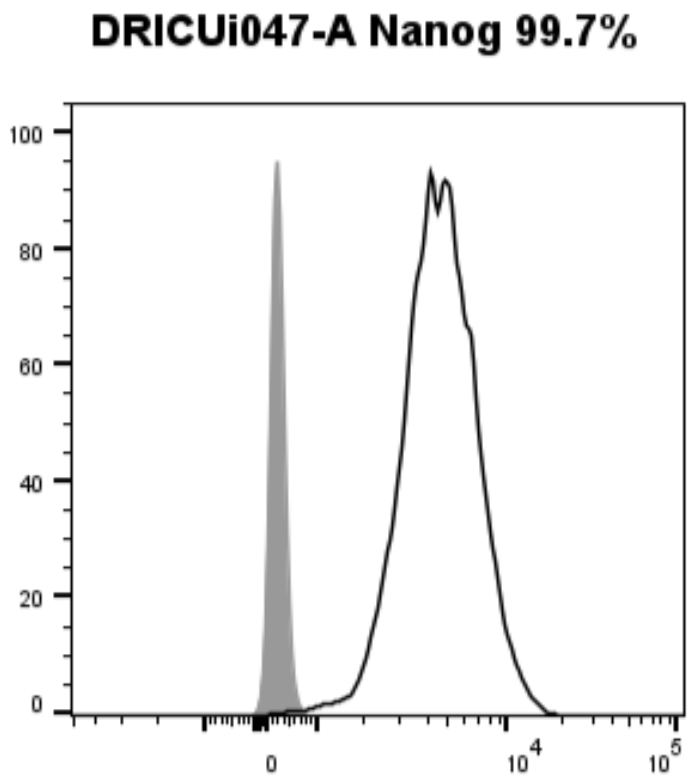
Sterility:

Mycoplasma test performed by Eurofins Genomics on 13/03/2025, undetectable at passage 21.

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 23

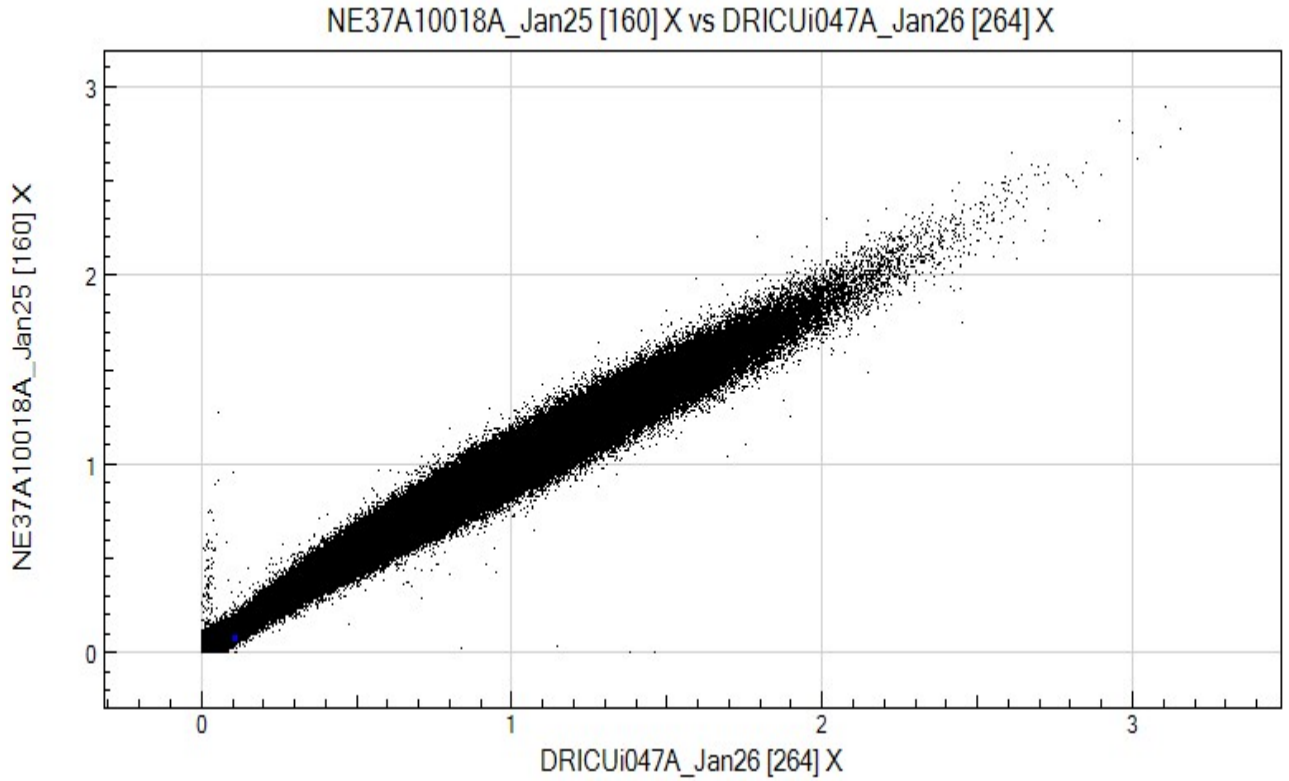




Illumina GSA SNP analysis according to JMSCFSOP16

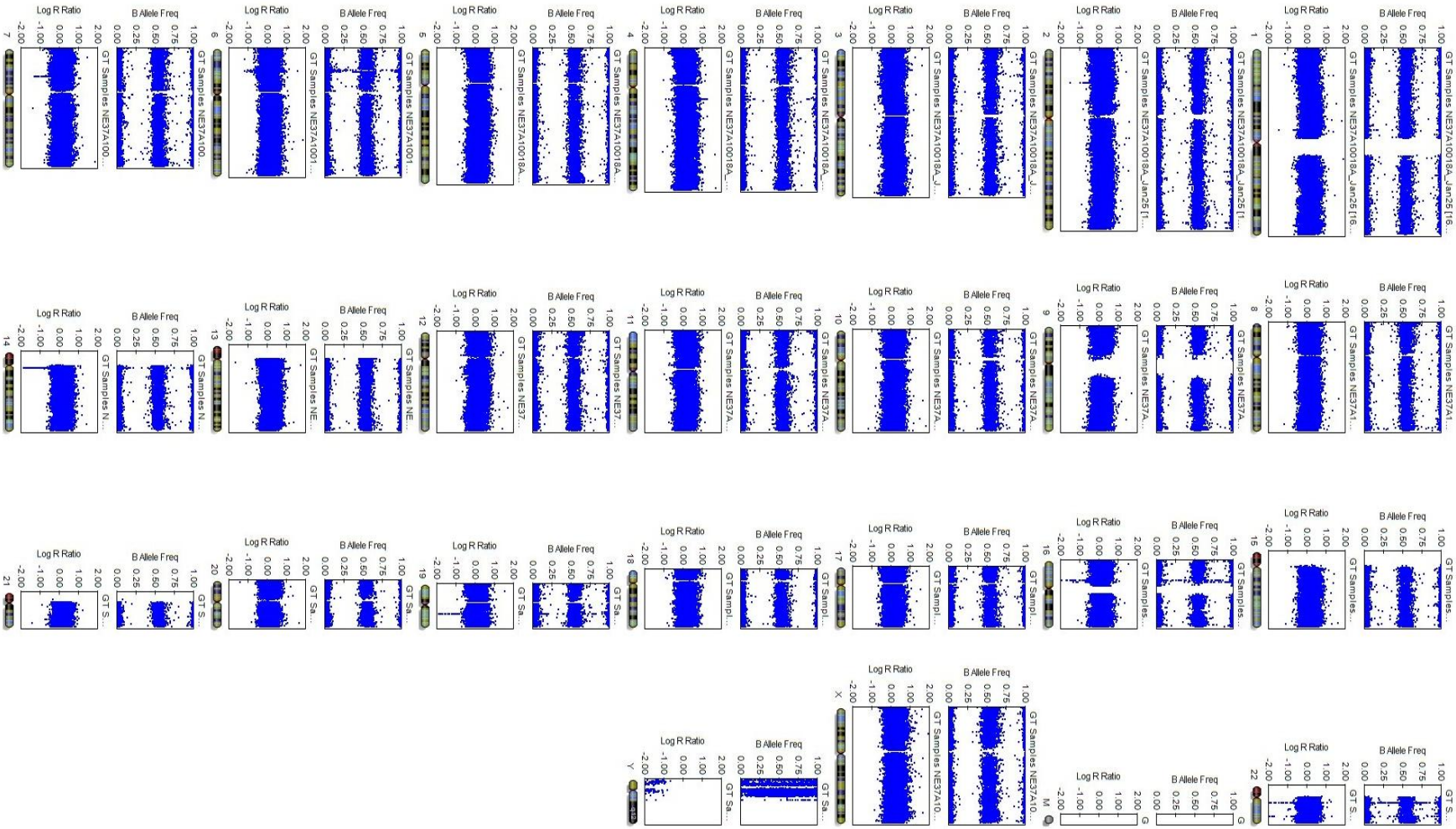
- Passage 22
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
  - No gross abnormalities detected vs PBMC

Alignment of NE37A10018A PBMC SNPs with DRICUi047-A



Regression Coefficient R^2 : 0.9886

Karyogram NE37A10018A PBMC



Karyogram DRICUi047-A