



Thawing & Expanding CAR NK-cells

OVERVIEW

The control lentivirus (Lenti CMV-MCS-EF1a-puro) was used to transduce NK-92 cells (ATCC, CRL-2407).

The control Lentivirus-transduced NK cells and non-transduced NK cells are provided frozen in vials (sterile), shipped on dry ice, and can be used as a negative control for CAR-NK cells in different assays or can be activated/expanded for different applications. The non-transduced and mock control no ScFv-CAR NK cells, lentivirus vector-transduced NK cells are available for ordering as controls for experiments.

THAWING PROCEDURE

1. Thaw Lentivirus-transduced-CAR NK-cell samples quickly in a 37 °C water bath until all visible ice has melted. Thaw time for a 1 ml sample in a cryovial is 2-3 minutes. Cryovials should be cool to the touch when removed from the water bath.
2. Dilute cell/CryoStor mixture immediately with CAR-T cell culture medium (cat# PM-CAR2000). This can be performed in a single step. The dilution medium should be between 20–37 °C. A dilution ratio of 1:10 (sample: medium) or greater is recommended.
3. Plate cells appropriately according to the experimental conditions of assays.
4. Culture the Lentivirus-transduced CAR NK-cells or use immediately.

(Note: Lentivirus-transduced CAR NK-cells that are used immediately after thawing have the highest level of viability.)

REFERENCES

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