Best Choice for NK cell Therapy

CellCor™ NK XF

Xeno-Free media for human NK cell cultivation



Product Information

Cat No.	YSP035
Cell type	NK cell
Storage	Basal: 2 – 8 °C Supplement: below –20 °C
Package	500 mL Basal 5 mL Supplement (100X)
Key requirements *(not included)*	- 5% AB serum or CB plasma - Human IL-2 (500 IU/mL) - Human IL-18 (10 ng/mL)
Shelf life	12 months
Classification	Xeno-free
Applications	Feeder-free NK cell expansion

Proliferation

Boosted proliferation for NK cell yield

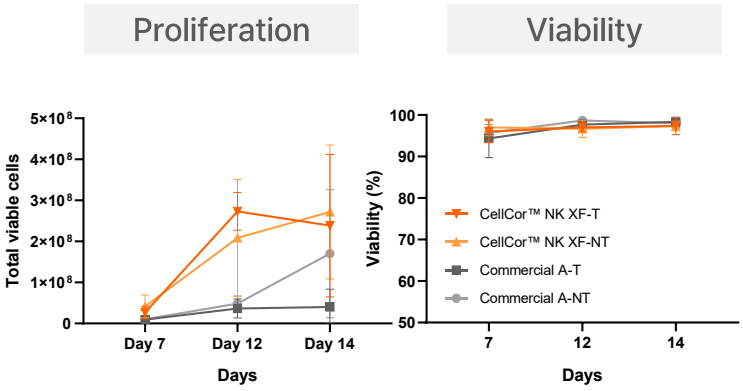


Figure 1 | NK cells derived from PBMCs were cultured for 14 days. Both CellCor™ NK XF-T (transduced) and CellCor™ NK XF-NT (non-transduced) conditions showed greater expansion than commercial A controls, while maintaining viability above 95% throughout the culture period (n=3 donors).

Transduction & Phenotype

CAR-NK expression

NK cells isolated from PBMCs were transduced and expanded in CellCor™ NK XF medium to evaluate transduction efficiency and phenotypic characteristics.

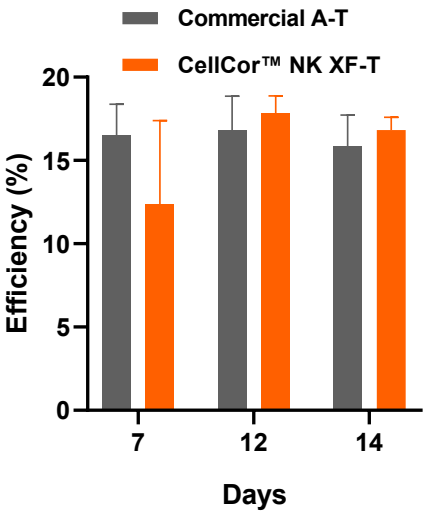


Figure 2 | CellCor™ NK XF supports lentiviral transduction efficiency comparable to commercial medium, with transgene expression maintained throughout the expansion period.

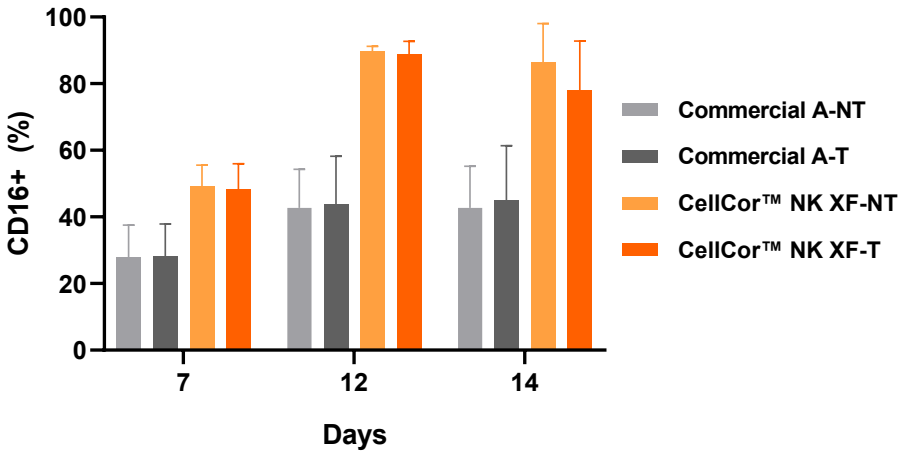


Figure 3 | CellCor™ NK XF-expanded NK cells retained high CD16 expression throughout culture, indicating preservation of NK cell functionality and enhanced potential for ADCC-mediated target cell killing.

Cytotoxicity

Potent and sustained NK-cell cytotoxic function

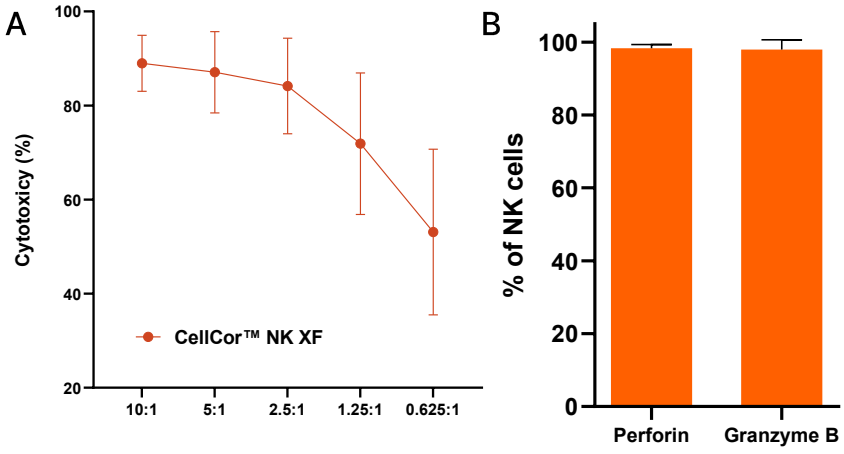


Figure 4 | (A) CellCor™ NK XF expanded NK cells demonstrated potent cytotoxic activity against K562 target cells across a range of effector-to-target ratios. Cytotoxicity remained above 80% at E ratios from 10:1 to 2.5:1 and exceeded 50% at the lowest ratio tested (0.625:1). (B) Expanded NK cells maintained high expression of the cytolytic effector molecules perforin and granzyme B, supporting preservation of NK cell cytotoxic function and sustained target-cell killing capacity.

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