XCELL

Best Choice for T cell Therapy

CellCor™ T CD AOF

Chemically defined media for human T cell cultivation



Product Information

Cat No.	YSP033
Cell type	T Lymphocyte, PBMC
Storage	2 – 8 °C
Package	1 L Bottle (Liquid)
Supplement *(not included)*	100-300 IU/mL IL-2 required
Shelf life	12 months
Phenol Red	Free
Classification	Xeno-free, Serum-free Animal Origin Free
Applications	T cell expansion

Proliferation

Robust Expansion with Preserved T cell Quality

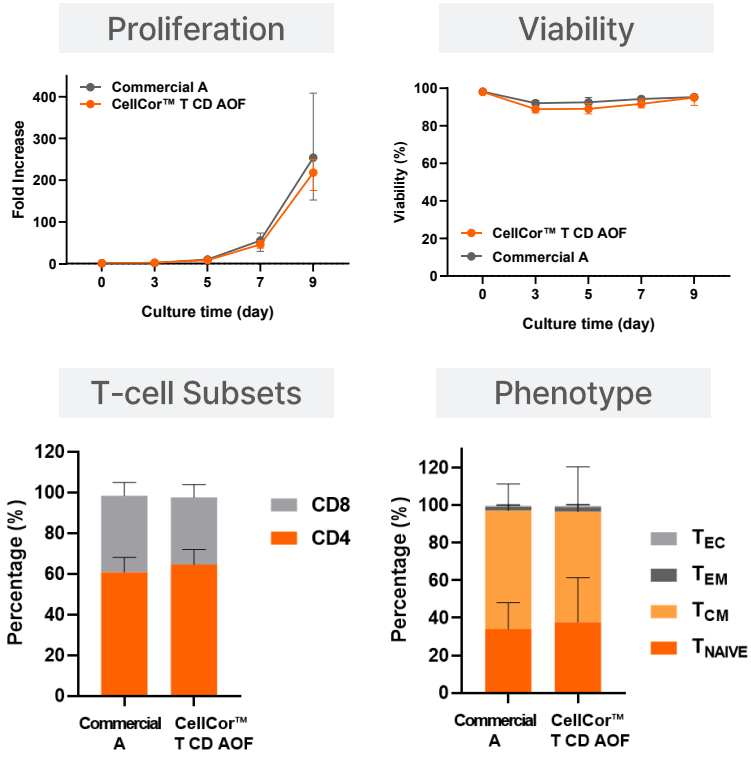


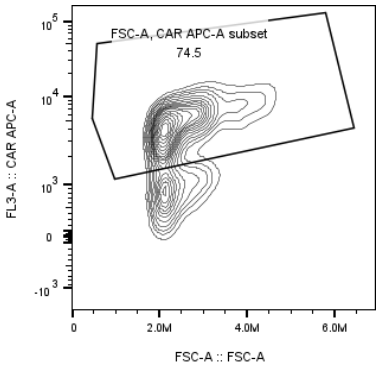
Figure 1 | CellCor™ T CD AOF supported robust T-cell expansion while maintaining high viability, balanced CD4/CD8 populations, and a memory-rich phenotype comparable to the commercial control during the 9-day culture period.

Transduction

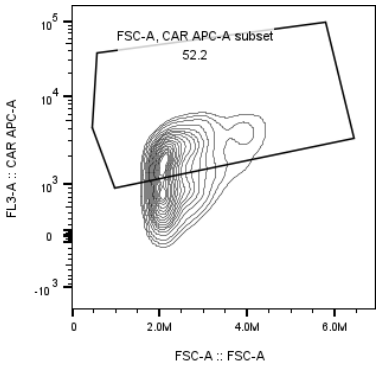
CAR-T Expression

Activated T cells were transduced and expanded in CellCor™ T CD AOF medium to evaluate CAR expression efficiency.

CellCor™ T CD AOF



Commercial A



	CellCor™ T CD AOF	Commercial A
Donor 1	74.5 %	52.2 %
Donor 2	51.6 %	23 %
Donor 3	44.1 %	16.7 %

Figure 2 | CAR-positive cell frequencies measured at day 10 post-transduction. CellCor™ T CD AOF consistently generated a higher proportion of CAR-positive T cells across all donors compared with the commercial A, demonstrating enhanced transduction efficiency and CAR-T cell yield.

Functionality

Enhanced Cytokine Secretion with Maintained Cytotoxic Activity

Killing Assay

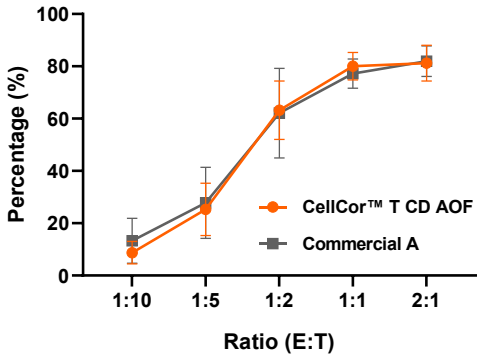


Figure 3 | CAR-T cells expanded in CellCor™ T CD AOF demonstrated cytotoxic activity comparable to the commercial control across multiple effector-to-target (E:T) ratios, achieving robust and consistent target cell killing.

Cytokine Profile

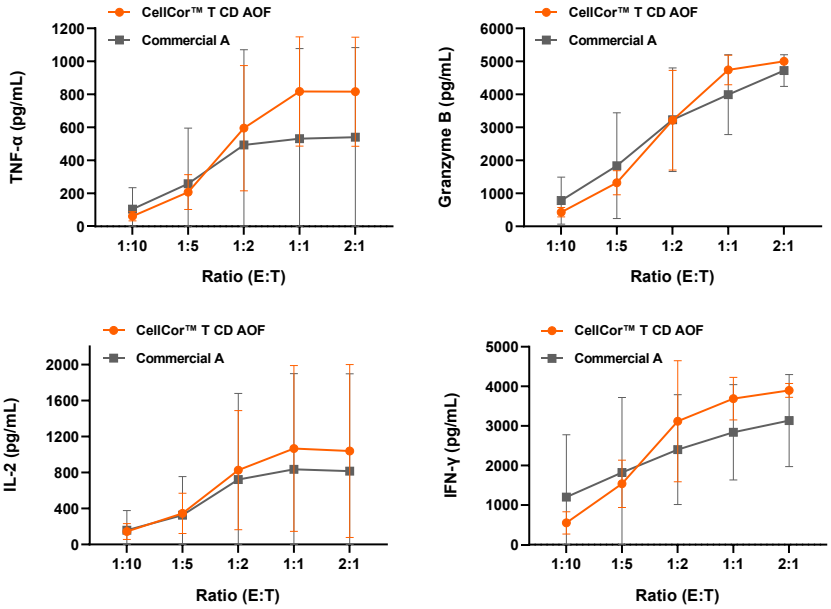


Figure 4 | Cytokine release by CAR-T cells at various effector-to-target (E:T) ratios. CAR-T cells expanded in CellCor™ T CD AOF exhibited increased secretion of TNF-α, IFN-γ, Granzyme B, and IL-2 compared with the commercial control, demonstrating enhanced functional activity.

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