

Accelerate Development of NK Cell Therapies

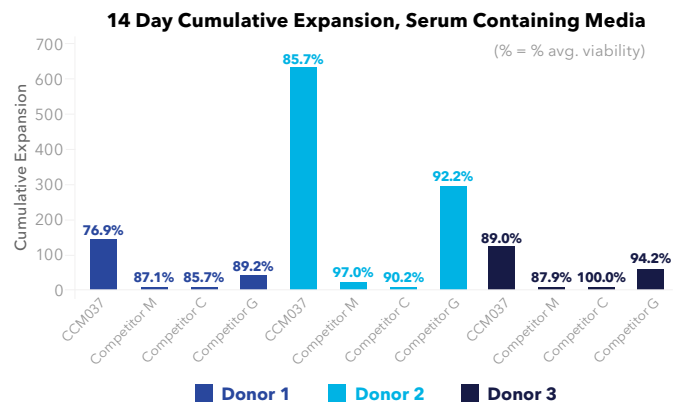
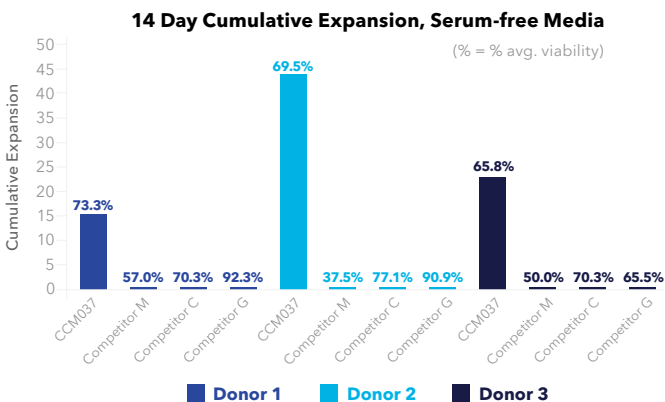
ExCellerate™ Human NK Cell Expansion Media, Animal Component-Free



ExCellerate NK Cell Expansion Media is designed for exceptional feeder-free or feeder-based expansion of human NK cells. The frozen, all-in-one formulation simplifies media prep for robust NK cell cultures in either G-Rex® bioreactors or T-flasks.

This media is manufactured using only animal-free raw materials and does not contain serum or phenol red.

- Seamless transition from research to clinical applications
- Compatible with iPSC derived NK cells, PBMCs, and CD3+ depleted PBMCs, and purified NK cells
- Maintains fold expansion and killing capacity
- Enables restimulation without exhaustion



Purified NK cells were plated at 2.5e6/cm² in a 24-well G-Rex using media without serum supplementation (left) or supplemented with 5% hAB serum (right). NK cells were stimulated with 250 IU/mL IL-2, 2 ng/mL IL-12 (at initial seeding only), and 10 ng/mL each of IL-15, IL-18, and IL-21. After 7 days, NK cells were reseeded at a density of 0.05e6/cm² and grown for a total of 14 days. Data labels are cell viability at harvest.



Scan the QR code to learn more about ExCellerate NK Cell Expansion Media at Bio-Techne.

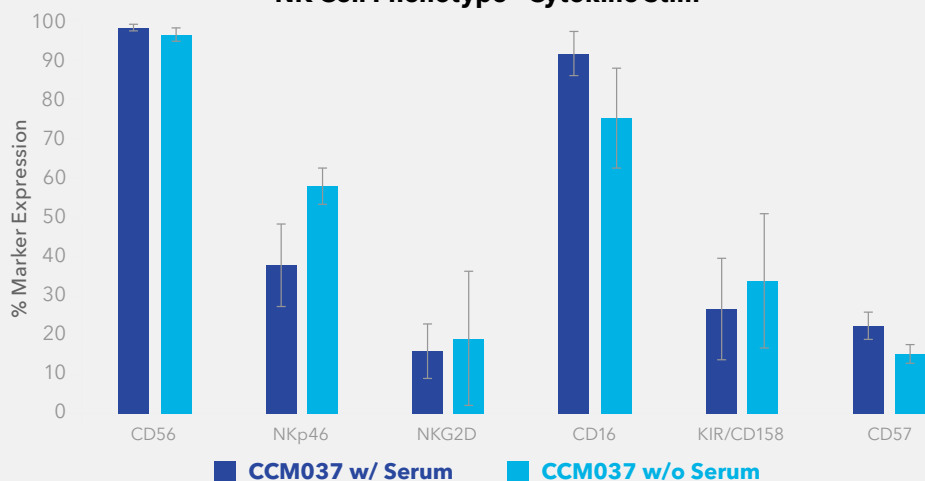
QC Specifications of ExCellerate NK Cell Expansion Media

Test	Specification
Activity	NK cell expansion
Endotoxin Level	≤ 1.0 EU/mL
Bioburden	No growth
Osmolality	290 - 330 mOsm/Kg

Ordering Information

ExCellerate NK Cell Expansion Media, Animal Component-Free	
Catalog #	CCM037
Size	1 L bottle
Storage	≤ -20 °C, Protect from light

NK Cell Phenotype - Cytokine Stim



NK cells grown in ExCellerate CCM037 with or without serum show similar phenotypes.

Day 14 expression profiles of NK cells grown in feeder-free, cytokine stimulated culture conditions either with or without serum supplementation, 3 donor average.

NK Cytotoxicity Against K562 Cells

NK cells grown under feeder-free conditions in serum-containing medias maintain cytotoxic activity.

Day 14 cytokine-expanded NK cells were challenged with K562 target cells in a 4 hour luciferase kill assay. NK cells grown in CCM037 show cytotoxic activity comparable to competitor medias.

