

Data Sheet

Product Description

Enable-NK™ Duo is a set of 2 cell culture media consisting of Enable-NK™ Grow and Enable-NK™ Activate, formulated specifically for human natural killer (NK) cells. It is devoid of non-human animal-derived products. These media are recommended for primary NK cells as well as NK cell lines.

- Enable-NK™ Grow is a cell culture medium for the expansion (proliferation) of NK cells; it also provides the option of gradual reduction in serum content during such expansion.
- Enable-NK™ Activate is a cell culture medium for the activation of cultured human NK cells (either primary cells or cell lines) while also continuing to support cell proliferation.

Please note that both media parts support NK cell expansion and activation, although the best expansion results will be achieved with the use of Enable-NK™ Grow before the use of Enable-NK™ Activate.

Stability and Storage

Upon receipt, store the medium at 2-8°C until use or the expiration date on the Certificate of Analysis. The media is stable for 6 months at 2-8°C without the addition of serum or cytokines. It is not recommended to store media for long periods of time after addition of any serum or cytokines. Frozen cells can be thawed directly in Enable-NK™ medium.

Minimum Required Additives:

- NK Cell Lines: 2% FBS and 100 U/mL of IL-2
- Primary NK Cells: 2.5% HS and 100 U/mL of IL-2 *We recommend 5% HS for primary NK cells.

Precautions

- Do not freeze

Limitations

- For research use only, not for clinical use
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Should not be used beyond the expiration date indicated on the Certificate of Analysis.

Other Notes

- Customizable serum content
 - Significantly reduce serum usage -- only if desired
- Customizable cytokine content
 - IL-2 is the only required cytokine -- add others if desired
- Compatible with different NK cell sources -- cell lines, peripheral blood, iPSC-derived, etc.
- Duration of culture in each part can be modified depending on experimental needs
- Media is not necessarily meant as an alternative to feeder-cell protocols, but to *synergize* with feeder cells (when feeder-cell protocols are used)