

Product Overview:

This medium is a serum-free formulation developed by our company specifically for the in vitro culture of human natural killer (NK) cells and hematopoietic stem cells. It is xeno-free, devoid of animal-derived components, and contains no exogenous stimulatory factors or undefined additives. The formulation includes essential nutrients such as recombinant human insulin, human transferrin, and human serum albumin (HSA). The HSA is sourced from FDA-approved human plasma collection facilities and has been rigorously tested according to FDA guidelines, including HBsAg, *anti-HIV 1/2*, anti-HCV, *HIV-1 RNA*, HCV RNA, and HBV DNA, all with non-reactive results.

Applications:

In vitro culture and expansion of NK cells
Culture of hematopoietic stem cells

Purity Assays (for reference):

Functional Assays (for reference):

Product Features:

Ready-to-use for direct cell culture without requiring autologous plasma or supplementary factors.

Unique formulation enhances cell yield and phenotype with robust functional potency.

Xeno-Free with fully defined components, ensuring experimental reproducibility and batch consistency.

Manufactured under cGMP conditions, validated for sterility, endotoxin, mycoplasma, and cell culture performance.

Figure: NK cells derived from umbilical cord blood.

The NK Expansion Kit supports high viability, and functional integrity of NK cells, outperforming plasma-supplemented cultures even under plasma-free conditions.

Storage: 2-8°C, protect from light.