Biocean Group

CORE™ NK Optimization-free Medium

Minimalist manufacturing process, supreme purity — Redefining the standard for NK cell expansion

Non-magnetic beads · High purity · Customizable

Next-generation serum-free medium for NK cells

- Purity ≥99%
- Single-factor activation
- Excellence Amplification Factor
- Supplied to GMP standards

Core Advantage

01. Farewell to magnetic beads – exceptional purity remains

Traditional methods rely on magnetic bead sorting to enhance purity, which is costly and prone to causing cell damage.

Our breakthrough: Through unique formulation optimization and nutritional regulation mechanisms, we achieve stable NK cell purity ≥99% without magnetic bead sorting, significantly reducing production costs and simplifying operational procedures.

02. Minimalist activation: A leap in amplification efficiency

A complex multi-factor activation system not only increases the number of variables but also elevates the risk of batch-to-batch variability.

Our solution: Only the addition of a single activator is required to initiate an efficient amplification process. The amplification efficiency significantly surpasses that of conventional culture media, meeting the demands for large-volume clinical-grade reinfusion.

03. Deep customization with unique craftsmanship

We are fully aware that the NK processes vary across different companies.

Our Services: Based on your existing NK cell culture process characteristics, we provide customized development services to ensure optimal compatibility between the culture medium and your primary cells as well as equipment parameters.

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Technical Parameter Table

Key Indicators	Performance of NK culture medium	Traditional products/Competitor products typical performance
NK fineness	**≥99% (no magnetic beads required)**	Depends on magnetic beads or electrophoresis.
Activation Method	**Single activator**	Multifactorial complex combination
Amplification Factor	**Exponential Growth**	Linear growth or significant fluctuations
Operation Convenience	**Ready to use**	Requires multiple preprocessing steps
Customization Support	**Support Process Customization**	Fixed Formula

Key Application Scenarios

Cellular Immunotherapy

CAR-NK cells, umbilical CB mononuclear cells, PB mononuclear cells,
NK cell culture and expansion;

Drug screening

In vitro efficacy evaluation of antitumor drugs.

Scientific Research

Research on immunological mechanisms and analysis of signaling pathways.

It is not merely a culture medium, but the core driver for upgrading your NK cell production process.

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