

# User Manual

## OriCell™ Complete Medium

### For NK-92 Cell Line

Catalog No. CMH3-1001



## Introduction

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OriCell™ Complete Medium For NK-92 Cell Line is specially formulated and developed by our R&D team. It consists of an optimized culture medium (including FBS, horse serum, essential supplements, and Interleukin-2 (IL-2)), tailored to the specific growth requirements of the NK-92 cells.

Extensive cell culture data have demonstrated that this product effectively supports stable and healthy proliferation of NK-92 cells in vitro. This ensures consistent performance over extended passages, helping researchers achieve reliable experimental results and maximize cell yield.

**Note:** This product is intended for research use only and is not for diagnostic, therapeutic, clinical, household, or any other applications.

When citing our products in academic publications, please use the following format: “OriCell™ [Product Name] + [Catalog Number], from Cyagen Biosciences.”

## Product Information

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Components	Catalog Number	Volume	Storage
OriCell™ Culture Medium For NK-92 Cells	—	200 mL	4 °C
OriCell™ Recombinant Human Interleukin-2 (IL-2)	RHIL-10302	400 µL	-20 °C

## QC

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- Pass the detection of bacteria, fungi, mycoplasma, and endotoxins.
- Pass the detection of osmotic pressure and pH.
- Pass the detection of product quality.

Please refer to "COA" for details.

## General Handling Principles

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1. Maintain strict aseptic technique. Ensure complete sterility throughout all procedures, particularly within the laminar flow hood and incubator.
2. Follow standardized protocols. Adhere strictly to the product manual instructions. Implement rigorous control over experimental variables and include appropriate parallel controls.
3. Ensure proper storage and use. Store all components according to specified conditions and use them promptly to ensure optimal performance.
4. Aliquot for long-term storage. If the entire volume will not be used up immediately, prepare the medium in batches according to the specified component volume ratios and store in aliquots.

## Product Stability and Storage Conditions

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1. All components must be stored away from light.
2. The culture medium has a shelf life of 6 months and should be stored at 4 °C, while the Interleukin-2 (IL-2) has a shelf life of 2 years and should be stored at -20 °C.
3. Once prepared, the medium has a shelf life of 1 month when stored at 4 °C. Please note that due to its sensitivity to oxidation and enzymatic degradation, the Interleukin-2 should be used within the expiration period to guarantee optimal performance and stability.
4. Use all components before the expiration dates. Expired components may severely compromise culture performance.

## Preparation of Complete Medium

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### Materials Required

- OriCell™ Complete Medium For NK-92 Cell Line (Cat. No.: CMH3-1001)
- Clean, sterile, and stable quality disposable consumables (pipettes, pipette tips, centrifuge tubes, etc.)
- Clean sealing film
- Aluminum foil and other light-avoiding materials

### Steps

1. Carefully wipe the outer packaging of all components with 75% ethanol. Open the package inside a clean bench (laminar flow hood).
2. Add all of the Interleukin-2 (Cat. No.: RHIL-10302) to OriCell™ Culture Medium For NK-92

Cells.

3. Tighten the cap of the basal medium bottle and swirl the bottle gently to mix thoroughly.

**Note:** Floccs (primarily composed of fibrin) may appear in thawed serum and will not affect product performance. Removal of floccs is generally unnecessary unless the cell culture system demands a high degree of purification.

4. Seal the bottle with Parafilm, wrap it in aluminum foil to protect from light, and label it with the product name, preparation date, and other relevant information.

**Note:** All components in the OriCell™ Complete Medium For NK-92 Cell Line are strictly aseptically controlled. Under normal circumstances, we do not recommend sterilizing it again. However, if there is a risk of contamination during the preparation process, the complete medium can be filtered and sterilized.

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