

MCF7 (3D Spheroid-Specific) Cell Complete Medium

Cat. No. : CM-0149-3D

Size : 125mL×4

General Information

Product Form	Liquid
Components	Complete culture medium for MCF7 (3D)
Bacterial detection	Negative
Fungal detection	Negative
Mycoplasmal detection	Negative
Endotoxin level	< 3 EU/mL
Shipping	Ice bag
Storage	2-8°C, Shading Light
Expiry date	6 months

Product Introduction

The MCF7 (3D Spheroid-Specific) Cell Complete Medium is an optimized, serum-free, sterile, ready-to-use medium system. It is specifically developed to support the efficient formation, growth, and maintenance of three dimensional (3D) tumor spheroids from MCF7 human breast cancer cells under suspension conditions.

By precisely mimicking the microenvironment of cancer stem cells (CSCs), this product effectively enriches and selects MCF7 CSC populations that possess self renewal capacity and high tumorigenic potential. It serves as an ideal tool for studying breast cancer stem cell biology, drug resistance, tumor recurrence, and metastatic mechanisms, providing a reliable in vivo like model for your preclinical research.

Guidelines for use

1. Procell's cell culture media undergoes strict quality control to ensure sterility, but may get contaminated during use. Follow these guidelines for sterile handling to avoid contamination.
2. Always wipe your gloved hands and work area with 70% ethanol.
3. Wipe the outside of the containers, flasks, plates, and dishes with 70% ethanol before placing them in the cell culture hood.
4. Use sterile pipette tips and pipettes to work with liquids, and use each pipette tip only once to avoid cross contamination. Do not unwrap sterile pipettes until they are ready to be used. Keep pipettes and tips within the clean work area.
5. Do not talk while performing sterile procedures and perform your cell culture as efficiently and carefully as possible to minimize contamination.

Quality control

Standard evaluations for cell culture media are pH, osmolality, endotoxins and sterility testing for liquid products, cell growth experiments.

Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. All operations should be performed in a biological safety cabinet. Wear sterile gloves, a mask, and a lab coat. Maintain aseptic technique to avoid contamination.
3. Long term storage may result in slight precipitation. Gently invert the bottle to redissolve before use.
4. Use the product only within the indicated shelf life. Discard any expired product.
5. Avoid repeated freeze thaw cycles.

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