

Gastric Cancer Organoid Growth Medium (Human) Kit

Cat:IKC1010-1

Storage: -20°C, 6 months

Size:50 mL/100 mL/500 mL

Introduction

Gastric Carcinoma Organoid Growth Medium Kit is a serum-free medium that can be used for the establishment and long-term culture of gastric cancer organoids of cellular or tissue origin. Under the condition of the presence of extracellular matrix, the unique components and abundant cytokines contained in the medium can promote the rapid growth of gastric cancer cells into gastric cancer organoids, which can be formed smoothly and rapidly, and at the same time, maintain a high level of gastric cancer cell characteristics and viability, which can provide support for the subsequent research based on the physiological function of the gastric cancer and disease research and precision medicine. The organoid formation process is smooth and rapid, while maintaining high gastric cancer cell characteristics and viability, which will support the subsequent physiological function, disease research and precision medicine based on gastric cancer organoids.

Kit Components

Kit components	Size	Storage
Reagent 1 Gastric Cancer Organoid Growth Medium	45 mL/90 mL/450 mL	-20°C
Reagent II Nutrient fraction 1 (10×)	5 mL/10 mL/50 mL	-20°C

Product Features

1. This Kit contains all the components for organoid culture, no need for additional preparation.
2. All the reagents contained in this Kit are sterile, customers can use it directly after configuring according to the ratio recommended in the instruction manual, no need to filter and sterilize again.
3. This Kit is recommended to be stored at -20°C. If stored at -20°C, it will be valid for at least 1 year; if stored at 2-8°C, it will be valid for at most 1 month.

Protocols (only for reference)

* The following is a procedure for preparing 100 mL of complete culture medium. Adjust the amount accordingly if different amounts are needed.

1. Prepare Complete Culture Medium for Gastric Carcinoma Organoid under aseptic conditions.
2. Thaw Reagent 2 Nutrient Component 1 (10×) at room temperature or thaw it at 2-8°C overnight. Avoid repeated freezing and thawing;
3. Remove 90 mL of Reagent 1 Gastric Cancer Organoid Growth Medium from the refrigerator and return to room temperature;

4. Add 10 mL of Nutrient Component 1 (10×) into Gastric Carcinoma Organoid Growth Medium and mix evenly; if not used temporarily, store at 2-8°C for a short period of time.
5. When using, add 1% double antibody to the medium.

Note

1. The operation of product dispensing and use should be carried out in a sterile environment.
2. For your safety and health, please wear lab coat and disposable gloves and mask.
3. This product is for scientific research use only and is prohibited for human use. Do not use in medicine, clinical diagnosis or treatment, food and cosmetics.
4. Do not store in ordinary residential areas.