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Basement Membrane Matrix for Organoid Culture

1 Contents

Component	HY-K6007-5 mL	HY-K6007-10 mL
Basement Membrane Matrix for Organoid Culture	5 mL	10 mL

2 Introduction

MCE Basement Membrane Matrix for Organoid Culture is a natural basement membrane matrix extracted from mouse tumors and is composed mainly of various growth factors and extracellular matrix components. The main extracellular matrix components are: Laminin, Col-IV, Entactin, Heparan sulphate proteoglycans, etc. The main growth factor components are: insulin-like growth factor (IGF-1), transforming growth factor beta (TGF-β), vascular endothelial growth factor (VEGF), epidermal growth factor (EGF), fibroblast growth factor (bFGF), etc.

MCE Basement Membrane Matrix for Organoid Culture is mainly used for organoid culture.

3 Characteristics

Source	Mouse Tumor
Color	Yellow
Appearance	≤ 0°C:Solid; 0-4°C:Liquid; ≥4°C:Semi-gel or Gel
Protein concentration	8~13 mg/mL
Endotoxin	≤ 4.5 EU/mL
Gelling time	Room temperature: 5-30 min
Formulation	Supplied in DMEM and 50 μg/mL gentamicin

4 Storage

Store at -20°C, 2 years.

Avoid repeated freezing and thawing.

6 Precautions

1. Please bury this product with packaging in ice and thaw in the 4°C refrigerator. After thawing, make aliquots and keep them frozen.
2. Use pre-cool consumables to avoid gelling.
3. Avoid holding the container in your hands which may cause semi-gel. If it happens, please put matrix back to 0°C-4°C refrigerator for 1-2 hours to restore its fluidity.
4. Color variation is normal and does not affect the use of matrix. Due to the interaction of carbon dioxide with bicarbonate buffer and phenol red, the color may vary from straw yellow to deep red.
5. This product is for R&D use only, not for drug, household, or other uses.
6. For your safety and health, please wear a lab coat and disposable gloves to operate.