OrgaMatrigel Organoid Culture Specialized Matrix

Cat. No.: PB180536

Size: 5mL / 5mL×2

General Information

Product Form	Liquid state after thawing at 4°C
Concentration	Protein concentration: 8-12 mg/mL
Size	5mL/5mL×2
Matrix Components	Laminin, Type IV collagen, heparan sulfate proteoglycans (HSPG), Entactin, and various growth factors
Bacterial detection	Negative
Fungal detection	Negative
Mycoplasmal detection	Negative
Organoid Growth Assay	Various organoids exhibit healthy growth and normal
Endotoxin level	< 4 EU/mL
Storage	≤ -15°C
Shipping	Ice bag
Expiration date	24 months

Background

OrgaMatrigel Organoid Culture Specialized Matrix is a natural basement membrane matrix extracted from mouse tumors rich in extracellular matrix proteins, containing laminin (Laminin), type IV collagen (Col-IV), heparan sulfate proteoglycans (HSPG), entactin (Entactin), growth factors, and other components.

This product has been meticulously optimized by Procell's Technology team as a high-performance matrix gel specifically designed for in vitro organoid culture. It simulates the biochemical and physical characteristics of the in vivo extracellular matrix (ECM), providing an ideal 3D growth microenvironment for stem/progenitor cells, tumor cells, or other primary cells. Through extensive testing, this product has demonstrated its ability to support efficient organoid formation, expansion, and functional maintenance.

Note

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. Aseptic technique must be maintained during product use to avoid contamination.
3. Avoid storing the matrix gel in a frost-free refrigerator. If the matrix gel will be used within 1 year and requires frequent access, thaw and aliquot it for storage to minimize repeated freeze-thaw cycles. Store at -20°C under normal conditions. For long-term storage (beyond 1 year) or experiments requiring extremely high stability, store at -80°C.
4. The matrix gel solidifies into a gel state at 37°C and will begin to solidify when the temperature is higher than 10°C. To ensure optimal performance, pre-cool pipette tips and perform all operations on ice.
5. All products must be used within their shelf life. Discard immediately if expired.