

bioGenous™ Organoid Isolation Solution

Catalog: E238006

Product Description

bioGenous™ Organoid Isolation Solution (enzyme-free and serum-free) is a ready-to-use solution designed for the gentle recovery of intact organoids from ECM gel or Matrigel. The recovered organoids are crucial for studying biochemical and physiological processes that closely mimic in vivo conditions. It is carefully formulated to release organoids without causing significant damage to their shape or structure at 2-8°C. Organoids recovered using bioGenous™ Organoid Isolation Solution are ideal for subsequent applications such as passaging, cryopreservation, imaging, virus infection, and other biochemical experiments, including RNA extraction and protein isolation.

Product Information

 bioGenous™ Organoid Isolation Solution is stable at 2-8°C. Do not freeze.

Component	Catalog#	Volume	Storage& Stability
bioGenous™ Organoid Isolation Solution	E238006	100 mL	2-8°C, 24 months

Directions for Use

 This product is for research use only.

- Place the culture plate on ice and carefully aspirate the organoid culture medium without disturbing the organoid-containing ECM.
- Add 10 volumes of cold (2-8°C) bioGenous™ Organoid Isolation Solution to each well. For example, for 5 µL of Organoid Culture ECM, add 50 µL of recovery solution.
- Incubate the plate at 2-8°C or on ice for 15 min.
- Gently dislodge the hydrogel dome using a cell scraper or pipette, and transfer the contents of the well into an appropriate tube on ice (use a 1.5 mL Eppendorf tube for single wells and a 15 mL conical tube for multiple wells). Handle single-layer organoids with extra care as the cells can easily flake off.
- Continue incubation on ice for an additional 35 min.
- Centrifuge the tube at 25-50 x g for 3 min at 2-8°C to pellet the organoids, and discard the supernatant.
Note: *Alternatively, tubes can be incubated on ice for 5-10 min to allow the organoids to settle at the bottom. If a refrigerated laboratory centrifuge is unavailable, centrifugation can be performed at room temperature without significantly affecting the organoid shape.*
- Wash the organoids once with 10 volumes of organoid basal medium at room temperature, and repeat Step 6.
- The recovered organoids are now ready for downstream experiments and biochemical analysis.

Quality Control

All components are negative for bacterial and fungal contamination. Certificate of authenticity (COAs) for all other products are available upon request.

Safety information

For research use only, not for use in diagnostic procedures. Read the Safety Data Sheets (SDSs) and follow the manufacture's instruction.

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Contact and Support

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Last updated on 30th August, 2024