

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 isolation of intact organoids from ECM gel or Matrigel. The isolated 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 DNA extraction, histology, immunostaining, virus infection, and other biochemical experiments.

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.

1. Remove as much cell culture medium from the culture as possible, taking care not to disturb the organoids.
2. Add 10–20× the Matrigel volume of pre-chilled (2–8°C) bioGenous™ Organoid Isolation Solution to each well. For example, for 10 µL of Organoid Culture ECM, add >100 µL of the Isolation Solution to achieve dissociation of ECM gel. However, for experiments requiring the maximum possible removal of the ECM gel, it is recommended to increase the volume of the Isolation Solution to 200 µL for a better ECM gel dissociation effect.

NOTE: *If the organoid structure is relatively fragile and the integrity of the organoids needs to be preserved, keep the pipetting force to a minimum to reduce mechanical damage.*

3. Incubate at 2-8°C or on ice for 15 min.
4. Gently dislodge the hydrogel dome using a cell scraper or pipette, and transfer the contents of the well into a centrifuge tube on ice. Handle single-layer organoids with extra care as the cells can easily flake off.

NOTE: *Alternatively, the sample can be directly transferred to the centrifuge tube in Step 2.*

5. Continue incubating at 2–8°C or on ice for 35 minutes.
6. Remove the supernatant after natural sedimentation or brief centrifugation of the cultures. If a small amount of Matrigel residue remains, repeat steps 2 through 6.
7. Wash the organoids with 10× the pellet volume of organoid basal medium or DPBS at room temperature, and repeat the wash at least once.
8. 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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