

## bioGenous™ Organoid Recovery Solution

Catalog: E238006

### Product Description:

The bioGenous™ Organoid Recovery Solution (enzyme-free) is a ready-to-use solution that allows for the recovery of intact organoids from bioGenous™ Organoid Culture ECM. This is essential for the study of biochemical and physiological processes that mimic in vivo conditions. This carefully formulated solution allows organoids to be released with no significant damage to shape, or structure at 2-8 °C. Organoids obtained using the bioGenous™ Recovery Solution are suitable for plating, passaging, cryopreservation, imaging, virus infection, and other relevant biochemical experimentation such as RNA extraction and protein isolation.

### Product Information:

Component	Cat#	Volume	Storage & Stability
bioGenous™ Organoid Recovery Solution	E238006	100ml	2-8°C, 24 months

**CAUTION:** bioGenous™ Organoid Recovery Solution is stable at 2-8 °C. **Do not freeze.**

### Procedure for Organoid Recovery

1. Place the culture plate on ice and aspirate organoid culture media. Do not disrupt organoid culture ECM containing the organoids.
2. Add 10 volumes of cold (2-8 °C) bioGenous™ Organoid Recovery Solution to each well. Eg. For 5 µL Organoid Culture ECM, add 50 µL of recovery solution.
3. Incubate the plate at 2-8 °C or on ice for 15 minutes.
4. Gently dislodge the hydrogel dome with a cell scraper or pipet 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). Single-layer organoids should be handled with extra care as the cells can easily flake off.
5. Continue the incubation for an additional 35mins on ice.
6. Centrifuge the tube at 25-50 x g for 3 minutes at 2-8 °C in a swinging bucket rotor to pellet the organoids and discard the supernatant.

Note: Tubes can also be incubated on ice for 5- 10mins to allow the organoids to settle at the bottom. If a refrigerated laboratory centrifuge is unavailable, centrifugation can also be done at room temperature with no significant change in the shape of the organoids.

7. Wash organoids once with 10 volumes of Organoid Basal Medium at room temperature and repeat Step 6 above.
8. The recovered organoids are ready for downward experiments and biochemical analysis.

**This product is for research use only.**

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