

bioGenous™ Organoid Dissociation Solution

Catalog: E238001

Product Description

bioGenous™ Organoid Dissociation Solution is a chemically defined, enzyme-free and serum-free reagent specifically designed for the routine passaging of organoids derived from various mammalian sources, such as human, mouse, pig, bat, and cow. Its chemically defined formulation ensures consistent and reliable passaging results. The solution facilitates the gentle detachment of organoids from the matrix gel and their digestion into small cell clusters or single cells, while preserving their growth vitality post-passaging.

Product Information

Component	Cat#	Volume	Storage& Stability
bioGenous™ Organoid Dissociation Solution	E238001	100 mL/500 mL	2-8°C, 18 months

Materials & Reagents Required But Not Included

The following extended materials and reagents required for organoid maintenance can be purchased from www.biogenous.cn.

Reagents	Catalog#
Organoid Basal Medium	B213152 & B213151
Fetal Bovine Serum, FBS	-

Directions for Use

- Add 5-10 times the volume of the Organoid Dissociation Solution to the recovered organoids. Gently mix by pipetting and incubate at 37°C for 1-8 min to facilitate dissociation of the organoids (pre-warm the required volume of dissociation solution to 37°C; typically, dissociation time is 0.5-3 min for single-layer organoids and 3-8 min for multi-layer or larger organoids).
Note: Monitor the dissociation process carefully to avoid over-digestion. During digestion, use a pipette to mix to aid. Take a small aliquot of the digestion mixture for microscopic observation. Dissociation is considered complete when a significant number of single cells or cell clusters with a diameter of less than 50 µm are observed.
- Once digestion is complete, add at least five times the volume of organoid culture medium to dilute the solution and stop the digestion process.
Note: For longer digestion times, fetal bovine serum (FBS) can be added to a final concentration of 2%-5% to ensure cell viability post-digestion.
- Centrifuge the organoid suspension obtained in the previous step (using a horizontal rotor at 150-300 x g for 3 min), discard the supernatant, and resuspend the organoid pellet in fresh culture medium.

4. Centrifuge the resuspended organoid solution again (using a horizontal rotor at 150-300 x g for 3 min), discard the supernatant, and the resulting organoids are ready for further culture, freezing, or other experimental procedures.

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

Read the Safety Data Sheets (SDSs) and follow the manufacture's instruction.

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Contact and Support

For questions, suggestions, and technical supports, please contact us at E-mail: info@biogenous.cn.

Last updated on 30th August, 2024