

## bioGenous™ Primary Tissue Storage Solution (Serum-free)

Catalog: K601005

### Product Description

bioGenous™ Primary Tissue Storage Solution (Serum-free) is designed to optimize the short-term storage and transport of primary tissue samples, especially when material needs to be collected from multiple sources or at different time points, or when immediate processing is not possible. This solution effectively prevents necrosis and apoptosis during the storage period, ensuring the preservation of cell functionality, including the activation and pluripotency status of stem cells. The solution maintains the viability of most cells within primary tissue samples for over 48 hours at 2°C-8°C, significantly reducing cellular loss between sample collection and experimental initiation, thereby improving the success rate of establishing primary tissue cultures. bioGenous™ Primary Tissue Storage Solution is widely applicable for the preservation and transport of primary samples from solid tumors and normal tissues of mammals such as human and mice prior to in vitro primary culture.

### Product Information

 Stored long-term at -20°C, the product remains effective for one year. After thawing, it can be stable for 14 days at 4°C.

Component	Cat#	Volume	Storage& Stability
bioGenous™ Primary Tissue Storage Solution (Serum-free)	K601005	100 mL	-20°C, 18 months

### Preparation

- Thawing can be done at room temperature or overnight at 4°C. To avoid multiple freeze-thaw cycles, it is recommended to aliquot the product under sterile conditions upon initial receipt and then store at -20°C.  
**Note:** *The product contains added antifungal and antibacterial agents.*
- All procedures should be carried out using sterile techniques in a biosafety cabinet.

### Directions for Use

 This product is for research use only. Studies involving primary human tissue material must follow all relevant institutional and governmental regulations. Informed consent must be obtained from all subjects before the collection of the primary human tissue material.

- Primary tissue samples should be placed in pre-chilled Tissue Storage Solution (2-8°C) within 5 minutes of excision. Ensure the sample is completely covered by the storage solution. If the sample has been placed in other buffer solutions or media, replace the entire solution with pre-chilled Tissue Storage Solution.  
**Note:** *For tissue volumes up to the size of three soybeans, 5 mL of protection solution is sufficient. For larger tissues, adjust the volume as needed, typically not exceeding 10 mL.*  
**Note:** *Tumor tissues can be pre-washed with sterile PBS or saline (e.g., tissues from the digestive or urinary systems) to remove blood and debris before placing them in the storage solution.*
- (Optional)** For shipping, transfer the sample to the bioGenous™ Primary Tissue Storage Solution in a sterile

tube.

**Note:** During transportation, the sample storage tubes should be kept in a low-temperature environment of 2-8 °C (e.g., in an insulated container with ice packs).

3. Upon completion of storage or transportation, remove the sample from the Tissue Storage Solution and proceed with subsequent experiments such as organoid culture.

## 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](mailto:info@biogenous.cn).

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