

Tissue Storage Solution

Cat #: A-CSH766

Size: 50mL, 100mL, 500mL

Storage: Room temperature (12 months)

Product Description

It is used for the low-temperature preservation and transportation of fresh biological tissue samples, effectively preserving tissue viability for up to 72 hours.

Procedure

Preparation of Tissue:

1. Ensure that fresh tissue is free from fungal, bacterial, and mycoplasma contamination.
2. Select viable tissue from suitable regions, remove excess necrotic tissue, and eliminate residual blood.
3. If the sample is substantial tissue, trim the tissue block to approximately 0.5 cm width × 0.5 cm thickness using surgical scissors or a dissecting knife for optimal results.

Note: Large tissue blocks can impede the exchange of metabolic waste and nutrients in the Tissue Storage Solution. If it is difficult to trim the tissue to approximately 0.5 cm width × 0.5 cm thickness, at least reduce the thickness to approximately 0.5 cm.

Preparation of Tissue Storage Solution:

4. Pre-cool the product to 2-8°C before use. During transportation and storage, the biological samples should be monitored and maintained at 2-8°C.
5. Estimate the sample volume and take at least 5 times the volume of the Tissue Storage Solution. Then immerse the tissue in the solution. If the sample contains blood vessels or luminal structures, flush and perfuse the cavities with the solution before fully immersing them.

Note: Transporting and preserving the viable tissue in 5-10 times the volume of the Tissue Storage Solution can maintain

tissue viability for 24-72 hours. If the preservation time is less than 6 hours, the volume of the Tissue Storage Solution can be adjusted accordingly, but it is essential to ensure that the tissue block is fully submerged.

Isolation of live cells, tissue culture, PDX inoculation:

6. The preserved tissue can be directly used for subsequent experiments and research. Due to the presence of antioxidants in the product, depending on the specific research requirements and to prevent interference from antioxidants, the tissue samples should be rinsed with physiological saline or phosphate-buffered solution 2-3 times.

Notes

For your safety and health, please wear laboratory attire and disposable gloves while handling the solution.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.