GenElute™-E Tissue Stabilizer

For Protection Against DNA and RNA Degradation During Storage of Tissue Samples

EC111

Intended Use

For storage of human or animal tissue samples and protection of DNA and RNA against degradation during storage. GenElute™-E Tissue Stabilizer provides non-toxic stabilization of DNA or RNA isolated from tissue. Not intended for use with bacteria or cultured cells.

Storage and Stability

GenElute™-E Tissue Stabilizer should be stored at room temperature. Use the kit within 12 months of receipt.

Materials and Equipment Needed

Kit Contents

Tissue Stabilizer

Not Supplied with Kit

- Vortex device.
- Pipets for 10 µL and 200 µL scales, corresponding pipet tips.
- One reaction tube (1.5 mL) per sample for up to 50 mg of tissue (small scale).
- One reaction tube (50 mL) tube for higher amounts of tissue (large scale).

Preparation before starting

In a 1.5 mL reaction tube, add 10 uL of Tissue Stabilizer solution per 1 mg of tissue.

Small Scale Protocol

1. Cut tissue sample(s) from donor and transfer immediately into the stabilizer solution. If sample pieces stick to the tube wall, vortex to reaction tube until the sample is completely submerged.
2. Store samples at least 4 hours or overnight (recommended) at 4 °C to ensure complete diffusion of the stabilizing liquid into the tissue.
3. Remove Tissue Stabilizer solution by pipetting the supernatant and store sample as described below.
4. Stabilized samples can be stored at -20 °C or -80 °C or up to 4 weeks at 4 °C.
5. For later purification, use the GenElute™-E Single Spin Tissue DNA Kit (cat.no. EC300-10RXN, EC300-50RXN, or EC300-250RXN). If using another DNA purification kit, follow the instructions according to the kit manufacturer's protocol.

   Note: The nucleic acid recovery from stabilized samples and fresh tissue is comparable.

Protocol 2: Large scale

1. Cut tissue sample(s) into pieces not thicker than 0.5 cm and transfer immediately into the stabilizer solution. If sample pieces stick to the tube wall, vortex reaction tube until the sample is completely submerged.
2. Store samples at least 4 hours or overnight (recommended) at 4 °C to ensure complete diffusion of the stabilizing liquid into the tissue.
3. Remove stabilizer solution by pipetting the supernatant and store sample as described below.
4. Stabilized samples can be stored at -20 °C or -80 °C or up to 4 weeks at 4 °C.
5. For later purification, use the GenElute™-E Single Spin Tissue DNA Kit (see Product Ordering). If using another DNA purification kit, follow the instructions according to the kit manufacturer's protocol.

   Note: The nucleic acid recovery from stabilized samples and fresh tissue is comparable.

Contact Information

For the location of the office nearest you, go to SigmaAldrich.com/offices.

Technical Assistance

Visit the tech service page on our web site at SigmaAldrich.com/techservice.

Standard Warranty

The applicable warranty for the products listed in this publication may be found at SigmaAldrich.com/terms.

Product Ordering

Purchase online at SigmaAldrich.com/products.

Description	Qty	Catalogue No.
GenElute™-E Tissue Stabilizer	100 mL	EC111-100ML
	500 mL	EC111-500ML
GenElute™-E Single Spin Tissue DNA Kit	10	EC300-10RXN
	50	EC300-50RXN
	250	EC300-250RXN
GenElute™-E Single Spin Tissue DNA 96 Kit	2 EA	EC396-2EA
	8 EA	EC396-8EA

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