

FOR LABORATORY USE ONLY**THREE STOCK SOLUTIONS PROVIDED:****For 1,000 ml Fixative:**

Solution **a** (250 ml × 1 QTY): **Buffer** Stock Solution (contains Na⁺, K⁺, and Ca⁺⁺, pH 7.4 ± 0.1).

Solution **b** (250 ml × 1 QTY): **Formaldehyde** Stock Solution.

Solution **c** (50 ml × 1 QTY): **Glutaraldehyde** Stock Solution.

For 2,000 ml Fixative:

Solution **a** (250 ml × 2 QTY): **Buffer** Stock Solution (contains Na⁺, K⁺, and Ca⁺⁺, pH 7.4 ± 0.1).

Solution **b** (250 ml × 2 QTY): **Formaldehyde** Stock Solution.

Solution **c** (50 ml × 2 QTY): **Glutaraldehyde** Stock Solution.

HOW TO PREPARE THE FIXATIVE:

Immediately before use, prepare the aldehyde **Fixative** as follows (200 ml of fixative as an example):

- 1) To 90 ml of distilled or deionized water (dH₂O), add 50 ml of **Buffer** Stock Solution (**a**) and mix well;
- 2) Add 50 ml of **Formaldehyde** Stock Solution (**b**) and mix well;
- 3) Add 10 ml of **Glutaraldehyde** Stock Solution (**c**) and mix well, to obtain 200 ml of fixative.

STORAGE, SAFETY, AND HANDLING PRECAUTIONS:

- Store the components at room temperature (15-25°C) or at 4°C.
- Prepare and use the fixative in a fume hood. Collect any waste from solution **b** and solution **c** in a bottle for hazardous waste disposal.
- Wear gloves, appropriate eye and face protection, and suitable protective clothing while handling the solutions. Wash hands thoroughly after handling.
- Avoid inhalation and contact with skin and eyes while handling. In case of contact, wash immediately and thoroughly with water and seek medical advice if necessary.
- For laboratory research use only. Not for food, household, or other uses.

Warranty: Warranty on the components/items is 12 months from the date of purchase.

Return Policy: Bioenno Tech's return policy for this product is 90 days from the date of purchase.

Free Technical Support: Email your questions to contact@bioenno.com