

Paraformaldehyde (4%)

Introduction

Paraformaldehyde is one of the most widely used fixatives in immunohistochemistry (IHC) and immunocytochemistry (ICC) research due to its relatively mild properties. It effectively preserves tissue antigenicity and fine structures, providing reliable long-term preservation of tissue specimens and cell smears. Paraformaldehyde exhibits particularly good performance in light microscopic immunochemical studies of tissues and cells.

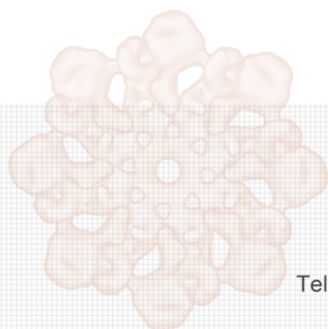
This product is a PBS solution containing 4% paraformaldehyde and can be used directly for tissue and cell fixation. If a lower concentration of paraformaldehyde solution is required for research purposes, it can be diluted proportionally with 0.01 M PBS.

Protocol

- Tissue fixation: Immerse tissue samples at room temperature or 4°C for 2–24 hours. After rinsing with buffer, samples can be embedded in paraffin, ester wax, or plastic for sectioning.
- Section fixation: Fix sections at room temperature or 4°C for 10 minutes to 2 hours, depending on section thickness. After rinsing with buffer, proceed with staining.
- Cell fixation: Fix cells at room temperature or 4°C for 10–30 minutes. After rinsing with buffer, proceed with staining.

Note

1. This product is for scientific use only.



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