

1. The **purpose of fixation** is to preserve tissues permanently in as life-like a state as possible. **Fixation** should be carried out as soon as possible after removal of the tissues (in the case of surgical pathology) or soon after death (with autopsy) to prevent autolysis.

2. 37-40% Formaldehyde, Picric Acid, Glacial Acetic Acid	Bouin Solution
37-40% Formaldehyde, 95% alcohol saturated with picric acid, Glacial acetic acid	Gendre
37-40% Formaldehyde, Distilled water, Picric acid, Copper acetate	Hollande
Mercuric Chloride, Distilled water, Potassium Dichromate, Sodium Sulfate	Zenker and Helly
37-40% Formaldehyde, Distilled water, Potassium Dichromate, Sodium Sulfate	Orth
Paraformaldehyde, Picric acid, Sodium Hydroxide, Phosphate Buffer	Zamboni Solution (Buffered Picric Acid-Formaldehyde or PAF)
37-40% Formaldehyde, Deionized water, Zinc Chloride, 99% Isopropyl Alcohol	Alcoholic Zinc Formalin
37-40% Formaldehyde, Deionized water, Zinc Sulfate	Unbuffered Aqueous Zinc Formalin
Zenker Helly Stock solution, Glacial acetic acid	Zenker
Zenker Helly Stock solution, 37-40% Formaldehyde	Helly

37-40% Formaldehyde, Distilled Water, Mercuric Acetate, Sodium Acetate	B-5
Absolute Ethyl Alcohol, Chloroform, Glacial Acetic Acid	Carnoy

3.