

Subject:

BOUIN'S FIXATIVE

PURPOSE: Used for testes biopsies, also as a mordant for staining procedures.

REAGENTS:

Bouin's Fixative

Saturated picric acid 3000.0 ml
Formaldehyde 1000.0 ml
Glacial acetic acid 200.0 ml

CAUTION: CARCINOGENIC, IRRITANT, TOXIC

SAFETY: Work in a well ventilated area, wear gloves, lab coat and goggles.

Avoid contact and inhalation.

Picric acid can become explosive if allowed to dry out. Toxic through skin exposure.

Formaldehyde: severe eye and skin irritant. Sensitizer by skin and respiratory contact. Toxic by ingestion and inhalation. Target organ effects on respiratory system. Corrosive. Carcinogen.

Label with FORMALDEHYDE WARNING label.

Acetic acid: Target organ effects respiratory system. Corrosive.

FIXATION TIME: Small biopsies fix in 2 to 4 hours, large specimens may remain in fixative up to 3 days.

PROCEDURE:

1. Fixed tissue may be retained in 10% formalin or 70% alcohol.
2. Remove the picric acid from the tissue prior to staining by :
 - a) washing in tap water
 - b) grades of alcohol (50%)
 - c) or 70% alcohol saturated with lithium carbonate.

REFERENCE: Carson,F, Histotechnology: A Self-Instructional Text, pp 19, 1st ED, 1992, ASCP Press

Crookham,J, Dapson,R, Hazardous Chemicals in the Histopathology Laboratory, 2nd ED, 1991, Anatech

Prepared: _____ By: _____

Approved: _____ By: _____

BOUIN'S FIXATIVE

Saturated picric acid	1500.0 ml
Formaldehyde	500.0 ml
Glacial acetic acid	100.0 ml

Mix well, stable for 1 year. Label, initial and date.

CAUTION: CARCINOGENIC CONTAINS FORMALDEHYDE, IRRITANT, TOXIC

SAFETY/PPE: Avoid contact and inhalation. Picric acid becomes explosive when allowed to become dry.

DATE: _____

TECH: _____

EXPIRATION: _____