

Subject:

HARTMAN'S FIXATIVE

PURPOSE: To be used as an aide in locating lymph nodes in radical dissection specimens. This solution fixes the specimen while turning the lymph nodes opaque white in color.

REAGENTS:

HARTMAN'S FIXATIVE

Alcohol, 95%	1200.0 ml
Formaldehyde, 37%	800.0 ml
Tap water	1200.0 ml
Acetic acid, glacial	400.0 ml

Mix well, label and date. Depending on size of specimen, lymph node coloration change will occur between 1/2 hour to 3 hours.

CAUTION: CARCINOGENIC, FLAMMABLE, CORROSIVE

SAFETY: Wear gloves, goggles and lab coat. Work under hood or well ventilated area. Avoid contact and inhalation. Label with FORMALDEHYDE WARNING label.

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.

Isopropyl alcohol: Skin and eye irritant.

Methanol: Skin and eye irritant; toxic by ingestion; target organ effects on reproductive, fetal, respiratory, gastrointestinal and nervous systems via inhalation and ingestion. Blindness or death may result from ingestion.

Acetic acid: Target organ effects respiratory system. Corrosive.

FIXATION TIME: 1 to 24 hours, color change 1/2 to 3 hours.

PROCEDURE:

1. Place fresh specimen in Hartman's fixative.
2. Keep specimen under fume hood, work in well ventilated area.
3. Check specimen every half hour, or ideally leave in fixative overnight.
4. Cassetted specimen can be retained in 10% formalin.

Prepared: _____ By: _____

Approved: _____ By: _____

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CAUTION: CARCINOGEN, FLAMMABLE, CORROSIVE. AVOID CONTACT AND INHALATION.

DATE: _____

TECH: _____

EXPIRATION: _____