

NotoxHisto Fixative

NOTOXhisto

Manufacturer/Supplier:
Scientific Device Laboratory
411 Jarvis Ave, Des Plaines, IL 60018 USA
General and Technical Information
Phone Number: 847-803-9495
Website: www.scientificdevice.com

Intended Use:

NOTOXhisto is a formalin free fluid intended for preservation of cells and tissue. It is a safer and less toxic alternative to 10% buffered formalin. The fixation time with NOTOXhisto is m

Principle of the Procedure:

NOTOXhisto is a cross-linking clear alcohol based fixative that causes minimal shrinkage of tissue. It can be used for both histological and immunohistochemical analyses. It allows for long term storage of tissues. Tissue fixation times depend on the mass being fixed. For most small tissue samples a time of 3-4 hours is ample for complete penetration. With individual cells, 45 minutes is sufficient for fixation.

Components:

NOTOXhisto is a aqueous-alcohol based derivative that fixes the tissue. It also is available without the alcohol and water to expedite shipping to countries that prohibit alcohol importation (NOTOXhisto MINUS).

Warnings:

This is a volatile organic solvent with a flash point less than 13°C. . See the SDS for further information.

Storage:

Store at room temperature (15°C to 30°)
Do not freeze. Keep away from heated areas.

Procedure:

Tissues are fixed in undiluted NOTOXhisto for up to three hours. Whole organs should be injected with NOTOXhisto as well as submerged in it. Once fixation is complete, tissue should be placed in tissue processors for embedding.

Expected Results:

After sectioning and staining the tissues appear under the microscope with sharp demarcated cell outlines with sharp intracellular structures.

Quality Control:

Sharp imaging of cells is quality control that the NOTOXhisto is working correctly. Minimal shrinkage should be observed.

Safety:

For *In vitro* diagnostic use only. See SDS for additional information.
NOTOXhisto vapors are not carcinogenic.

References:

- Srinivasan, M., et al., Effect of fixatives and tissue processing on the content and integrity of nucleic acids. *Am. J. Pathol.*, 161, 1961-71 (2002).
- Dickinson, L.E., et al., Functional surfaces for highresolution analysis of cancer cell interactions on exogenous hyaluronic acid. *Biomaterials*, 31, 5472- 8 (2010)
- Yee, D., et al., Hyaluronic acid hydrogels support cord-like structures from endothelial colony-forming cells. *Tissue Eng. Part A*, 17, 1351-61 (2011).
- Hanjaya-Putra, D. et al., Controlled activation of morphogenesis to generate a functional human microvasculature in a synthetic matrix. *Blood*, 118, 804-15 (2011).
- Freudenberg, U., et al., A star-PEG–heparin hydrogel platform to aid cell replacement therapies for neurodegenerative diseases. *Biomaterials*, 30, 5049-60 (2009).
- Hlavaty, J., et al., Comparative evaluation of preclinical in vivo models for the assessment of replicating retroviral vectors for the treatment of glioblastoma, *J. Neurooncol.*, 102, 59-69 (2011).
- Acton, A., et al., An examination of non-formalinbased fixation methods for *Xenopus* embryos. *Dev. Dyn.*, 233, 1464-9 (2005).

Related Products:

- Catalog # 613-5: NOTOXhisto MINUS (5 gallons only)
- Catalog # 614-01: NOTOXhisto (1 gallon)
- Catalog # 614-05 NOTOXhisto (5 gallons each)
- Catalog # 614-55: NOTOXhisto (55 gallons each)









Dimensions

Doc. No. **TI-00722**

Technical
Insert

NOTOXhisto fixative

SYMBOL LEGEND

	Catalog Number
	In Vitro Diagnostic Medical Device
	Consult Instructions for Use (IFU)
	Temperature Limitations (Storage Temp.)
	Batch Code (Lot Number)
	Use By (Expiration Date)
	Quantity Included
	Dimensions

Supported Products Page (QUALITY FILE ONLY)

This Technical Insert is used for the following products:

Revision History

CR NUMBER	REVISION
0221-006	00