

HistoClear II

AGR1353

HistoClear TMII, like its predecessor HistoClearTM, is a safe histological clearing agent that leads to the production of high-quality tissue slides. HistoClear II is non toxic¹, non-flammable², and completely biodegradable³, thus reducing disposal costs. HistoClear II has a greatly reduced citrus odour compared to other citrus based histological clearing agents.

In the preparation and staining of slides for light microscopy, HistoClear II may be substituted for toluene and/or xylene with no alteration of protocol. HistoClear II is compatible with automated tissue processors. While xylene leaves tissue hard and brittle, HistoClear II leaves tissue flexible. Therefore, HistoClear II allows the tissue to be cut into thin sections easily, thus prolonging microtome blade life.

HistoClear II is miscible in all proportions with ethanol, isopropanol, and t-butanol. It is also miscible with all paraffin-based tissue embedding media and all permanent mounting materials such as HistomountTM. Histomount works as the perfect companion to HistoClear II to produce only the highest quality tissue slides. Together they minimize chromatic aberrations and produce tissue samples that retain their brilliant clarity for years.

HistoClear II is the result of a research effort by National Diagnostics to find a histological clearing agent with all of the high quality, superior results, biodegradability, and safety of HistoClear, but with a reduced citrus odour.

With a flash point $\geq 105^{\circ}\text{F}$, HistoClear II is not categorized as a flammable liquid, however, the “non-flammable” designation does not mean that a material cannot be made to burn.

1. Labor CFR29: Part 1910. 1200, Appendix A.
2. ANSI/NFPA 30, 1-2-0.
3. EEC Directive 79/831/EECn nex VII, JIS K3363-1967.

