



MASTERTECH BULLETIN

(Revised 04/28/11)

MASTERCLEAR™

BIODEGRADABLE CITRUS CLEARING AGENT

MASTERCLEAR™, THE PRODUCT AND ITS PURPOSE:

MASTERCLEAR™ is a non-toxic, non-viscous, non-flammable transparent liquid developed to replace Xylene in the Pathology laboratory. **MASTERCLEAR™** is made from 100% natural citrus D-Limonene. Although there are several brands of citrus based clearing agents available, including Hemo-De, Histoclear and Ameri-Clear, **MASTERCLEAR™** has less citrus odor and oiliness **MASTERCLEAR™** is miscible with Isopropyl and Reagent alcohols, paraffins, and most mounting mediums. If you are currently using a limonene based clearing agent such as those mentioned above, no adjustments to your current procedures are required.

MASTERCLEAR™, INSTRUCTIONS FOR USE:

As with all Xylene substitutes, **MASTERCLEAR™** will require small adjustments when performing Histology or Cytology procedures. These few procedural changes will result in a healthier and safer work environment. We recommend that when processing tissue in a tissue processor, 2 changes of **MASTERCLEAR™** for one hour each be used following the last absolute alcohol. Rotate and change the last alcohol in the tissue processor often to insure no water carry-over into paraffins. Deparaffinization of slides before staining requires 2 changes at ten minutes each. When clearing slides before coverslipping, 2 changes at 3 to 5 minutes each while agitating is recommended. Rotate the last absolute alcohol in your staining station often to minimize water carry-over. To coverslip slide, wipe off back and apply several drops of mounting medium (test mounting medium compatibility before coverslipping). A.M.T.S. *ClearMount* and *CoverSafe* are two excellent fast drying compatible mounting mediums.

MASTERCLEAR™, STABILITY:

MASTERCLEAR™ has a 2 year shelf life. Keep container tightly closed and store in a cool, dry location.

MASTERCLEAR™, PRECAUTIONS:

MASTERCLEAR™ is considered non-toxic, low-hazard, non-flammable, non-carcinogenic, non-corrosive, non-dermatologic, and non-polluting. Use this product with adequate ventilation and wear lab coat, gloves and eye protection. **MASTERCLEAR™** is classified as a non-flammable material by government standards, but it can combust under certain conditions. Always store this product away from direct heat, sparks or flame.

MASTERCLEAR, DISPOSAL:

In many areas **MASTERCLEAR™** can be disposed via the local sewer system by mixing it with plenty of running water. Consult your local area waste water authorities for applicable regulations.

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