



CytoCell Fixative

Ancillary Reagent

Control Number: 901-CF001-021610

ISO
9001:2000
CERTIFIED

Catalog Number: CF001 L

Description: 100 ml, Ready-to-use

Intended Use:

For In Vitro Diagnostic Use

Summary & Explanation:

This specially formulated fixative is especially designed for tissue cell culture, frozen sections and cytopins. CytoCell Fixative is formalin free and non-flammable. Tissues/cells fixed in CytoCell fixative show superior morphology when compared to formalin, acetone or methanol.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues, tissue cultures, frozen sections, cell smears and cytopins).

Supplied As:

Ready-to-use

Materials and Reagents Needed But Not Provided):

Microscope slides, positively charged
Desert chamber* (Drying oven)
Positive and negative tissue controls
Xylene (Could be replaced with a xylene substitute*)
Ethanol or reagent alcohol
Decloaking chamber* (Pressure cooker)
Deionized or distilled water
Wash buffer*(TBS/PBS)
Pretreatment Reagents*
Enzyme Digestion*
Avidin-Biotin Blocking Kit* (Labeled Streptavidin Kits Only)
Peroxidase block*
Protein block*
Primary antibody*
Negative Control Reagents*
Detection Kits*
Detection Components*
Chromogens*
Hematoxylin*
Bluing Reagent*
Mounting media*

* BIOCARE MEDICAL PRODUCTS: Refer to a BIOCARE MEDICAL Catalog for further information regarding catalog numbers and ordering information. Certain reagents listed above are based on specific application and detection system used.

Storage and Stability:

Store at room temperature. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at room temperature.

Protocol Recommendations

Cell smears prepared from body fluids should be a monolayer of cells. Multilayers of cells can trap staining reagents and interfere with the interpretation of the results. Smears should be fixed immediately after preparation. Fixation of frozen sections or cytopins can be accomplished with CB fixative at 4°C for 10 minutes. Fix culture cells with CytoCell Fixative at room temperature for 10-20 minutes. If fixing whole tissues, fix for 12 to 24 hours.

Protocol Recommendations cont'd

Fixation Protocol Tissue Culture, Cell Preps or Frozen Tissue Sections:

1. Rinse cells briefly in buffer or deionized water.
2. Fix cells/tissue in the CytoCell Fixative for the appropriate time and temperature.
3. Wash cells in several changes of water or in the appropriate buffer such as PBS or TBS.
4. Continue with desired protocol.

Performance Characteristics:

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of BIOCARE products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

Quality Control:

Refer NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4-A Vol.19 No.26 for more information on Tissue Controls.

Precautions:

Specimens, before and after fixation and all materials exposed to them, should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water. Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

Troubleshooting:

Follow the reagent specific protocol recommendations according to data sheet provided. If atypical results occur, contact BIOCARE's Technical Support at 1-800-542-2002.

Limitations & Warranty:

There are no warranties, expressed or implied, which extend beyond this description. BIOCARE is not liable for property damage, personal injury, or economic loss caused by this product.

