For fixation of cytology specimens.
Thermo Scientific CytoRich Red Collection Fluid is a hemolytic, alcohol-based general-purpose fixative solution. It is intended for cytology and small biopsy processing. Its active ingredients are comprised of alcohols, formaldehyde, and non-toxic demulcents, emollients, and buffers. It is used to prepare cells and small tissue fragments for cytological and histological examination.

CytoRich Red Collection Fluid is intended for the preservation of cells and small tissue fragments in suspension. It is used to prepare and small cells and tissue fragments for cytological and histological examination.

CytoRich Red Collection Fluid lyses red blood cells, solubilizes many proteins, and fixes cells and small tissue fragments. It is compatible with immunohistochemical staining and results are similar to those achieved with neutral buffered formalin.

If the specimen is received fresh:* 1. Mix 1 volume of specimen with 5 volumes of CytoRich Red Collection Fluid.
2. Decant/Pour off the supernatant fluid.
3. Vortex to mix the cell button/pellet.
4. Process specimen according to current laboratory preparation technique.

If the specimen is received pre-fixed in CytoRich Red Collection Fluid:* 1. Centrifuge the sample for 10 minutes at 600g.
2. Decant/Pour off the supernatant fluid.
3. Vortex to mix the cell button/pellet.
4. Process specimen according to current laboratory preparation technique.

In-vitro diagnostic use.
For fixation of cytology specimens.

General Specimen Preparation

Note: Preparation time can be significantly reduced if specimens are collected in CytoRich Red Collection Fluid prior to arriving in the laboratory. This will eliminate the need to allow CytoRich Red the time to preserve and lyse during processing.

Body Cavity Fluids, Washings, Brushings (Large Volume)

Received Fresh (unfixed): 1. Mix/Shake the entire sample well.
2. Pour a representative amount into a properly labeled 50-ml disposable centrifuge tube. (Two centrifuge tubes may be used for large volume clear fluids).
3. Centrifuge the sample(s) for 10 minutes at 600g.
4. Decant the supernatant fluid. (Combine pellets if two tubes were used for a specimen) and add 25 ml of CytoRich Red Collection Fluid.
5. Cap the tube and vortex for 10-15 seconds or until the cell button/pellet appears to be broken and mixed thoroughly through the fluid.
6. Allow the sample to fix and lyse for at least 15 minutes. (For best results with very bloody specimens, allow the sample to fix for at least 30 minutes).

If specimens are received pre-fixed in CytoRich Red Collection Fluid:* 1. Centrifuge the sample for 10 minutes at 600g.
2. Decant/Pour off the supernatant fluid.
3. Vortex to mix the cell button/pellet.
4. Process specimen according to current laboratory preparation technique.

Fine Needle Aspirates

Collect or mix the specimen with 1 volume of specimen with 1 equal volume of CytoRich Red Collection Fluid. (See Catalog # B9990803 for Pre-filled case/125 (120 ml cups filled to 60 ml).)

If specimens is received pre-fixed in CytoRich Red Collection Fluid:* 1. Centrifuge the sample for 10 minutes at 600g.
2. Decant/Pour off the supernatant fluid.
3. Vortex to mix the cell button/pellet.
4. Process specimen according to current laboratory preparation technique.

Sputum

Collect or mix 1 volume of specimen with 5 volumes of CytoRich Red Collection Fluid. (See Catalog # B9990803 for Pre-filled case/125 (120 ml cups filled to 60 ml).)

If specimens is received pre-fixed in CytoRich Red Collection Fluid:* 1. Vortex vigorously, or place specimen on shaker for 15-30 minutes to allow mucus to soften. (Cells can be separated from softened mucus by vigorous agitation).
2. Some applications may require that the soft mucus be filtered before preparation. Using a biohazard hood, pour the softened specimen through a filtration barrier (gauze/tulle) (See Catalog # 6774012 Thermo Scientific Medium Biopsy Bags for a convenient way to filter mucus, debris, and tissue fragments) into a 50-ml centrifuge tube.
3. Centrifuge the sample for 10 minutes at 600g.
4. Decant/Pour off the supernatant fluid.
5. Vortex to mix the cell button/pellet.
6. Process specimen according to current technique.

Urines (Optional)

Caution: IF YOUR LABORATORY COMMENTS ON HEMATURIA (BLOOD IN URINE), DO NOT USE CYTORICH RED COLLECTION FLUID. CytoRich Red lyses Red Blood Cells. Use Thermo Scientific Shandon Cytopsin Collection Fluid or another type of nonlysing fixative.

Collect or mix 1 volume of specimen to 1 equal volume of CytoRich Red Collection Fluid. (See # B9990803 for Pre-filled case/125 (120 ml cups filled to 60 ml).)

If specimens is received pre-fixed in CytoRich Red Collection Fluid:* 1. Centrifuge the sample for 10 minutes at 600g.
2. Decant/Pour off the supernatant fluid.
3. Vortex to mix the cell button/pellet.
4. Process specimen according to current laboratory preparation technique.

Storage, Stability, and Specimen Transport Requirements

CytoRich Red Collection Fluid should be stored at room temperature (15°-25°C). Specimens fixed in CytoRich Red Collection Fluid are stable for at least 30 days. Morphological stability has been demonstrated in specimens stored up to six months at room temperature. Specimens fixed in CytoRich Red Collection Fluid can withstand shipment at temperatures ranging from about -5° to about +45° C.

Warnings and Precautions

FOR IN VITRO DIAGNOSTIC USE
Use appropriate Personal Protective Equipment as defined by your facility. Follow appropriate biohazard precautions when handling and tissue and specimen samples. Do not ingest. CytoRich Red contains alcohols other than ethanol, and formaldehyde.

Warning: Unfixed Cytopsychic specimens may contain infectious agents. Wear appropriate protection and follow biohazard precautions when handling samples.

See Safety Data Sheets for warnings and precautions, as well as R&S code definitions. See container labels for warnings and precautions.

Order Information

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<th>Product</th>
<th>Size</th>
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