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PolyCyte™ Mono-Layer Cytology Fixative Procedure

Item#: CYPCYCS, CYPCYLT **(Revised 03/08/18)**

American MasterTech
scientific laboratory supplies

PRINCIPLE: PolyCyte™ allows mono-layer cell preparation for cytology staining.

SPECIMEN: GYN, FNA, cell buttons, urine cytology, or other cytology specimens.

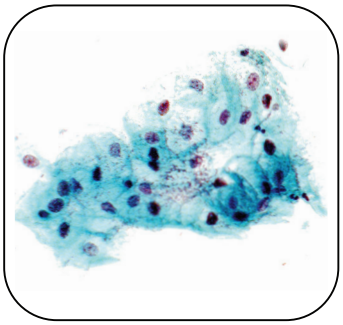
QUALITY CONTROL: American MasterTech Recommended Control Slide: Not Applicable.

COLLECTION METHODS: For GYN specimens, place collected cells into PolyCyte™ pre-filled bottle by agitating cytology-brush or cytology-broom in the container. For break-off brushes, agitate brush then break off and leave in PolyCyte™ container. For all other cellular specimens, follow standard collection protocol then deposit cellular material into the PolyCyte™ container. **Important Note:** Insure that the cap on the PolyCyte™ container is properly affixed and tightened before sending the container to the laboratory.

PROCEDURE: (PolyCyte™ Spray Procedure located on opposite page.)

1. Vortex or spin pre-filled PolyCyte™ container for 5 to 10 seconds. For specimens containing scanty amount of cellular material see **procedure note** below.
2. Place SuperFrost Plus™ slides on a flat surface. Using a disposable pipet, dispense 3 to 4 drops of the PolyCyte™ suspended specimen at the same spot on the slides. Keeping slides flat, allow PolyCyte™ suspended specimen to dry at room temperature for 15 to 30 minutes. (Longer time at room temperature will improve mono-layer.)
3. Keeping slide flat, place slides in a 80ºC pre-heated laboratory oven for 10 minutes. Be sure that slides are completely dry before removing them from the oven!
4. Remove slides from oven and allow them to cool until they reach room temperature.
5. Hydrate slides through 2 changes of 50% Alcohol for 3 to 5 minutes each with gentle agitation.
6. Place slides in stain rack.
7. Stain slides using Papanicolaou stain procedure.

PROCEDURE NOTE: For specimens containing a scanty amount of cellular material, vortex or spin pre-filled Polycyte™ container for 5-10 seconds. Decant into a vacutainer using evacuation straw and centrifuge specimen for 1 to 5 minutes at 3000 RPM. Next, pour off supernatant, being careful to not pour off cells, add 2ml of fresh PolyCyte™ to the container, and vortex vacutainer again to re-mix the cells. Continue to step two.



Cytology Smear

PolyCyte™ Mono-Layer Cytology Spray Procedure

Item#: CYPCY4OZ **(Revised 03/08/18)**

American MasterTech
scientific laboratory supplies

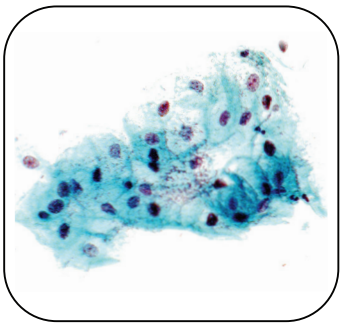
PRINCIPLE: PolyCyte™ allows mono-layer cell preparation for cytology staining.

SPECIMEN: GYN, FNA, cell buttons, urine cytology, or other cytology specimens.

QUALITY CONTROL: American MasterTech Recommended Control Slide: Not Applicable.

PROCEDURE:

1. Collect sample with a cytology brush or broom.
2. Smear slide with sample.
3. Spray PolyCyte™ onto sample from a distance of 5cm.
4. Allow slide to dry at room temperature for 15 minutes.
5. Hydrate slide through 2 changes of 50% Alcohol for 3 minutes with gentle agitation.
6. Place slide on stain rack.
7. Stain slide with stain procedure.



Cytology Smear