**ThinPrep Non-Gyn (from HOLOGIC®)**

**ThinPrep Non-Gyn** has been used in laboratories around the world for more than 15 years. It offers a standardized specimen preparation method for a variety of cytologic specimens. The slides are easier and less time-consuming to screen and interpret, because the cells are limited to a defined area (20mm diameter) on a clear background with excellent cellular presentation. ThinPrep Non-Gyn offers one single, well-preserved slide per case and decreased screening time per slide, which can enable your laboratory to take on new business and continue to grow.

**Mucoid Specimens**

(Respiratory and gastrointestinal specimens)

1) **Collection**
   Collect sample directly into CytoLyt solution, OR add 30 ml of CytoLyt solution to the fresh specimen as soon as possible.

   **Note:** Large specimens (greater than 20 ml) should be concentrated before addition of CytoLyt solution to the sample.

   If DTT is being used with respiratory mucoid samples, add stock before agitation. See below for preparation instructions.

   The use of Dithiothreitol (DTT) [Dithiothreitol, GoldBio Catalog # DTT, (MW = 154.25 g/mol)] has shown to reduce the amount of mucus present in respiratory samples[^1][^2]. To use DTT with the ThinPrep system, prepare a stock solution by adding 2.5 g DTT to 30 ml of CytoLyt solution. This solution is suitable for use for 1 week when stored at room temperature (15-30°C). Add 1 ml of stock solution to the sample.

2) **Mechanical Agitation**
   Note: Vortex for a minimum of 5 minutes in "hands-free" vortex.

3) **Concentrate by Centrifugation**
   (600 g for 10 minutes)
4) Pour Off Supernatant and Resuspend Cell Pellet
Resuspension can be done on a vortex or may be achieved by syringing the pellet back and forth with a plastic pipette.

5) Evaluate Cell Pellet Appearance
Confirm the cell pellet is in liquid form. If the cell pellet is not in liquid form, add 30ml CytoLyt solution and repeat steps 2 and 4.

6) Add Specimen to PreservCyt Solution Vial

7) Allow to Stand in PreservCyt Solution for 15 Minutes.

8) Run on ThinPrep Processor Using Sequence 3 (Mucoid)
(Fix, stain, and evaluate)

Refer to the ThinPrep processor operator's manual for detailed instrument and specimen preparation instructions.

References