VitroPrep™ Cytology Processing Kit

- ✓ Prepares clinical specimens for unobstructed clear analysis of cells by pathologists.
- ✓ Preserves the cells, lysis red blood cells & removes mucus and debris.
- ✓ Provides an unobstructed mono-layer cell adhesion to standard microscope slides.
- ✓ Formulated using "***Green Chemistry***" technology.
- ✓ Utilizes a simple processing procedure that requires no automation.
- ✓ Product of USA, CE certified, and ISO 13485 compliant.
- ✓ **Cost effective and affordable.**

❖ ***The Kit consists of two proprietary solutions***

PreservPlus™ & CytoBase™

29 PreservPlus™ & 1 CytoBase™ Solutions

PreservPlus™ Solution

- ✓ A proprietary solution formulated to maintain cell morphology and DNA/RNA/protein quality.
- ✓ A new, gentle cleaning and RBC lysing solution in a single bottle.
- ✓ Formulated using "***Green Chemistry***" technology.

CytoBase™ Solution

- ✓ A proprietary solution which provides mono-layer cell adhesion to standard glass slides.
- ✓ No heating is required after treatment of the slides by the CytoBase™ Solution.
- ✓ Compatible with many standard stains.
- ✓ Formulated using "***Green Chemistry***" technology.

For Ordering our products or requesting samples, please visit us at vitroprep.com,
email info@vitroprep.com or call 1-919-230-1617.
chemQ bioscience LLC

VitroPrep™ Cytology Processing Procedure

- ✓ Utilizes a simple processing procedure that can be adapted to any laboratory worldwide.
- ✓ Requires no automated instrumentations.
- ✓ Uses only a vortex and a standard swing-bucket centrifuge.

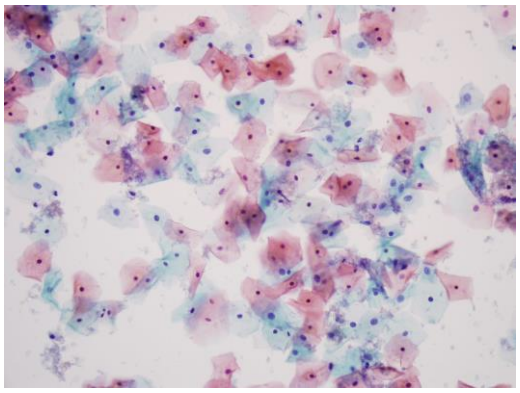
Follow instructions below for sample processing:

1. Vortex PreservPlus™ Solution containing specimen* for about 10 seconds.
2. Pour the specimen into a 15 mL conical centrifuge tube.
3. Centrifuge the tube for 10 min @ 1000 **×g**.
4. Gently and quickly decant supernatant liquid from the tube.
5. Depending on the cellular pellet size, add CytoBase™ Solution in a ratio of 3 parts CytoBase™ Solution to 1 part of cellular pellet, typically 250-300 µL, into the tube and vortex the tube about 20 seconds.
6. Withdraw 45 µL of the mixture (step 5) and spread gently on a standard glass slide.
7. Allow drying of the slide at room temperature for 3-4 hours then follow standard Papanicolaou staining protocol.

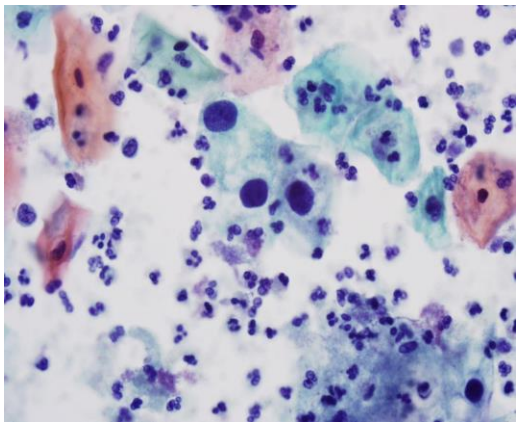
*For specimens containing blood, allow PreservPlus™ Solution containing specimen to sit for 24 hours for effective hemolysis.

VitroPrep™ Clinical Slide Images

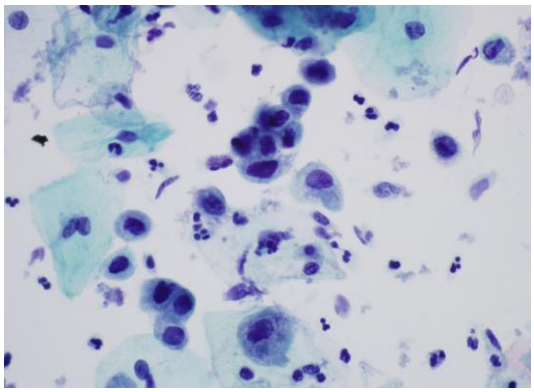
Below are some examples of study slides using VitroPrep™ Cytology Processing Kit.



Negative for intraepithelial lesion & malignancy



Low grade squamous intraepithelial lesion



High grade squamous intraepithelial lesion

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