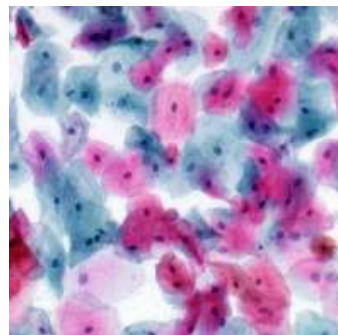


## Papanicolaou (PAP) Stain Kit

### Description

The Papanicolaou (PAP) Stain Kit is designed to differentiate between a variety of cells in vaginal smears for detection of vaginal, uterine and cervical cancer. In addition, this procedure is valuable for staining a variety of other bodily secretions and cell smears. The procedure was developed in the early 1940's by George Papanicolaou.



<b>Nuclei</b>	Blue
<b>High Keratin Cells</b>	Orange
<b>Superficial Cells</b>	Pink
<b>Erythrocytes</b>	Dark Pink
<b>Parabasal Cells</b>	Blue/Green
<b>Intermediate Cells</b>	Blue/Green
<b>Metaplastic Cells</b>	May contain both Blue/Green and Pink.

### Uses/Limitations

Not to be taken internally.  
 Histological applications.  
 Do not use if reagents become cloudy.  
 Do not use past expiration date.  
 Use caution when handling reagents.  
 Non-Sterile.

### Control Tissue

Gynecological Smear.  
 Any Superficial Cell Smear.

### Kit Contents

Product	Volume	Storage
Hematoxylin, Mayer's (Lillie's Modification)	500 ml	18-25°C
OG-6 Solution	500 ml	18-25°C
EA-50 Stain Solution	500 ml	18-25°C

### Precautions:

Avoid contact with skin and eyes.  
 Harmful if swallowed.  
 Follow all Federal, State, and local regulations regarding disposal.

### Procedure

1. Place slide in 95% alcohol for 5 minutes.
2. Place slide in 70% alcohol for 5 minutes.
3. Place slide in distilled water for 2 minutes.

4. Apply adequate Hematoxylin, Mayer's (Lillie's Modification) to completely cover cell smear and incubate for 5 minutes.
5. Rinse slide 1 time in distilled water to remove excess stain.
6. Rinse slide in tap water for 2 minutes..
7. Rinse slide in 2 changes of distilled water.
8. Dip slide several times in 95% alcohol and blot excess off.
9. Apply adequate OG-6 Stain Solution to completely cover cell smear to excess and incubate for 2 minutes.
10. Rinse slide gently using absolute alcohol.
11. Apply adequate EA-50 Stain Solution to completely cover cell smear to excess and incubate for 3 minutes.
12. Rinse slide gently using absolute alcohol.
13. Quickly dehydrate slide in 3 changes of absolute alcohol.
14. Clear slide and mount in synthetic resin.

**References**

1. Papanicolaou, G.N. Atlas of Exfoliative Cytology, Harvard University Press, Cambridge, 1954.