



EA-OG™ Counterstain

- Intended Use -

EA-OG™ Counterstain is an alcohol based counterstain used primarily in cytology laboratories. It is designed specifically for use with fine needle aspirations when a rapid consultation is to be rendered for adequacy of a specimen.

- General Information -

EA-OG™ Counterstain is prepared to produce the ultimate translucent counterstain for cytoplasm of FNA and cytology specimens. The proper amounts of light and fast greens are included to stain a pleasant green-blue. Bismark Brown-Y is also included according to the specifications of Dr. Papanicolaou. A specific amount of Eosin-Y is added to provide an ideal balance of eosinophilic staining. Orange-G is added to identify keratinization within cells showing squamous origin with keratinization. Glacial acetic acid is present in adequate amounts to ensure precise counterstaining. This is the ideal counterstain for rapid professional assessment of FNA specimens. It can also be used for routine staining of cytology specimens if a one step is desired.

- Fixation Procedure -

Pap Spray™ is the fixative recommended for all cytology cell spreads. 95% Ethanol can also be used. Pap Spray™ is the fixative recommended for fixation of fine needle aspirates either for rapid assessment of smears and for definitive diagnosis. Pap Spray™ is a specially formulated fixative that produces improved fixation of fine needle aspirate smears and cell spreads. It combines coagulant fixation of traditional alcohol fixation with other enhanced fixation to produce better nuclear and cytoplasmic fixation. This results in better nuclear fixation of columnar and squamous cells and produces crisp, distinct cell membranes and nucleochromatin patterns. EA-OG™ Counterstain, EA-50 or EA-65 stains give brighter and clearer staining. EA-OG™ Counterstain performs particularly well on fine needle aspirates.

- Staining Procedure -

CDI RECOMMENDED AUTOMATED AND MANUAL PAPANICOLAOU STAINING PROCEDURE FOR GYN CYTOLOGIES

(PROGRESSIVE HEMATOXYLIN STAINING)

*Initially deparaffinize tissue sections with Zero Xylene™ or Xylene

Solution	Time
1.* 95% Alcohol.....	30 seconds
2. Running H ₂ O	
Wash.....	40 seconds
3. Cyto-Nuclear™ Stain.....	1 minute
Or Gill's 1	
Hematoxylin.....	2 minutes
Or Gill's 2	
Hematoxylin.....	1 minute
4. Running H ₂ O	
Wash.....	1 minute

5. Cytostain-Bluing™.....	30 seconds
6. 95% Alcohol.....	30 seconds
7. 95% Alcohol.....	30 seconds
8. 95% Alcohol.....	30 seconds
9. EA-OG™ Counterstain.....	1 minute
10. 95% Alcohol.....	50 seconds
11. 95% Alcohol.....	50 seconds
12. Cyto•Alcohol™.....	25 seconds
13. Cyto•Alcohol™.....	25 seconds
14. Zero Xylene™ or Xylene.....	30 seconds
15. Zero Xylene™ or Xylene.....	30 seconds
16. Zero Xylene™ or Xylene.....	30 seconds

Note: Prior to staining, Gyn cytology preparations fixed with a fixative containing Carbowax (polyethylene glycol 1450) should be placed in 95% Alcohol for 10 minutes to remove the PEG.

CDI RECOMMENDED AUTOMATED AND MANUAL PAPANICOLAOU STAINING PROCEDURE FOR GYN CYTOLOGIES

(REGRESSIVE HEMATOXYLIN STAINING)

*Initially deparaffinize tissue sections with Zero Xylene™ or Xylene

Solution	Time
1.* 95% Alcohol.....	30 seconds
2. Running H ₂ O	
Wash.....	40 seconds
3. Cyto-Nuclear™ Stain.....	3 minutes
Or Gill's 1	
Hematoxylin.....	4 minutes
Or Gill's 2	
Hematoxylin.....	2 minutes
4. Running H ₂ O	
Wash.....	1 minute
5. Rinse HD™.....	30 seconds
6. Running H ₂ O	
Wash.....	1 minute
7. Cytostain-Bluing™.....	30 seconds
8. 95% Alcohol.....	30 seconds
9. 95% Alcohol.....	30 seconds
10. 95% Alcohol.....	30 seconds
11. EA-OG™ Counterstain.....	1 minute
12. 95% Alcohol.....	50 seconds
13. 95% Alcohol.....	50 seconds
14. Cyto•Alcohol™.....	25 seconds
15. Cyto•Alcohol™.....	25 seconds
16. Zero Xylene™ or Xylene.....	30 seconds
17. Zero Xylene™ or Xylene.....	30 seconds
18. Zero Xylene™ or Xylene.....	30 seconds

Note: Prior to staining, Gyn cytology preparations fixed with a fixative containing Carbowax (polyethylene glycol 1450) should be placed in 95% Alcohol for 10 minutes to remove the PEG.

CDI RECOMMENDED AUTOMATED AND MANUAL PAPANICOLAOU STAINING PROCEDURE FOR NON-GYN CYTOLOGIES



(REGRESSIVE HEMATOXYLIN STAINING)

*Initially deparaffinize tissue sections with Zero Xylene™ or Xylene

	<u>Solution</u>	<u>Time</u>
1.*	95% Alcohol.....	30 seconds
2.	Running H ₂ O	
	Wash.....	40 seconds
3.	Cyto-Nuclear™ Stain.....	3 minutes
	Or Gill's 1	
	Hematoxylin.....	4 minutes
	Or Gill's 2	
	Hematoxylin.....	2 minutes
4.	Running H ₂ O	
	Wash.....	1 minute
5.	Rinse HD™.....	30 seconds
6.	Running H ₂ O	
	Wash.....	1 minute
7.	Cytostain-Bluing™.....	30 seconds
8.	95% Alcohol.....	30 seconds
9.	95% Alcohol.....	30 seconds
10.	95% Alcohol.....	30 seconds
11.	EA-OG™ Counterstain.....	1 minute
12.	95% Alcohol.....	25 seconds
13.	95% Alcohol.....	25 seconds
14.	Cyto•Alcohol™.....	25 seconds
15.	Cyto•Alcohol™.....	25 seconds
16.	Zero Xylene™ or Xylene.....	30 seconds
17.	Zero Xylene™ or Xylene.....	30 seconds
18.	Zero Xylene™ or Xylene.....	30 seconds

Note: Prior to staining, Gyn cytology preparations fixed with a fixative containing Carbowax (polyethylene glycol 1450) should be placed in 95% Alcohol for 10 minutes to remove the PEG.

- Packaging -

<u>Catalog#</u>	<u>Volume</u>
CM8977	500mL
CM8978	1000mL
CM8979	1 Gallon