



Blueing Solution•Cyto™

Intended Use

Blueing Solution•Cyto™ is a blueing solution to be used with all progressive and regressive Papanicolaou staining procedures.

General Information

Blueing Solution•Cyto™ is a blueing solution designed to use with all Papanicolaou staining procedures both progressive and regressive. This blueing solution has a balanced amount of mildly alkaline reagents to produce excellent blueing while minimizing the loss of cells from a glass slide surface. It is designed to work precisely with Gill's type hematoxylin.

Packaging

Catalog #	Volume
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4850	1 gal
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Fixation Procedure

Pap•Fix™ or FNA•Fix™ are the fixatives recommended for all cytology cell spreads. 95% Ethanol can also be used. Pap•Fix™ is a specially formulated fixative that produces improved fixation of Pap 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-50 or EA-65 stains give brighter and clearer staining. These are excellent choices for routine fixation of pap smears and cell spreads.

* If using Rapid Pap Stain

Staining Procedure

BBC RECOMMENDED AUTOMATED AND MANUAL PAPANICOLAOU STAINING PROCEDURE FOR GYN CYTOLOGIES (PROGRESSIVE HEMATOXYLIN STAINING)

Step**	Solution	Time
1.	95% Alcohol.....	30 seconds
2.	Running H ₂ O.....	40 seconds
3.	BBC Gill's 1 Hematoxylin..... or BBC Gill's 2 Hematoxylin or BBC Cyto•Hematoxylin™.....	2 minutes 1 minute 1 minute
4.	Running H ₂ O.....	1 minute
5.	BBC Blueing Solution•Cyto™.....	1 minute
6.	Running H ₂ O.....	1 minute
7.	95% Alcohol.....	30 seconds
8.	Running H ₂ O..... * Rapid Pap Stain	1 minute 1 minute
	-then skip to step 13	
9.	OG-6.....	1 minute
10.	95% Alcohol	50 seconds
11.	95% Alcohol.....	50 seconds
12.	BBC EA-50 (Gill's Modified)	7 minutes
	or EA-65 (Gill's Modified)	7 minutes
	or EA-50 (Papanicolaou)	3 minutes
	or EA-65 (Papanicolaou)	3 minutes
13.	95% Alcohol.....	25 seconds
14.	95% Alcohol.....	25 seconds
15.	BBC S2•Cyto™.....	25 seconds
16.	BBC S2•Cyto™.....	25 seconds
17.	BBC S3™ or Xylene	30 seconds
18.	BBC S3™ or Xylene	30 seconds
19.	BBC S3™ or Xylene	30 seconds

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

BBC RECOMMENDED AUTOMATED AND MANUAL PAPANICOLAOU STAINING PROCEDURE FOR GYN CYTOLOGIES (REGRESSIVE HEMATOXYLIN STAINING)

Step**	Solution	Time
1.	95% Alcohol.....	30 seconds
2.	Running H ₂ O.....	40 seconds
3.	BBC Gill's 1 Hematoxylin..... or BBC Gill's 2 Hematoxylin or BBC Cyto•Hematoxylin™.....	4 minutes 2 minutes 3 minutes
4.	Running H ₂ O.....	1 minute
5.	BBC Acid Wash•Cyto™.....	45 seconds
6.	Running H ₂ O.....	1 minute
7.	BBC Blueing Solution•Cyto™.....	1 minute
8.	Running H ₂ O.....	1 minute
9.	95% Alcohol..... * Rapid Pap Stain	30 seconds 1 minute
	-then skip to step 14	
10.	OG-6.....	1 minute
11.	95% Alcohol.....	50 seconds
12.	95% Alcohol.....	50 seconds

Staining Procedure -Continued

13. BBC EA-50 (Gill's Modified)..... 7 minutes
 or EA-65 (Gill's Modified)..... 7 minutes
 or EA-50 (Papanicolaou) 3 minutes
 or EA-65 (Papanicolaou) 3 minutes
14. 95% Alcohol..... 25 seconds
15. 95% Alcohol..... 25 seconds
16. BBC S2•Cyto™..... 25 seconds
17. BBC S2•Cyto™..... 25 seconds
18. BBC S3™ or Xylene 30 seconds
19. BBC S3™ or Xylene 30 seconds
20. BBC S3™ or Xylene 30 seconds

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

BBC RECOMMENDED AUTOMATED AND MANUAL PAPANICOLAOU STAINING PROCEDURE FOR NON-GYN CYTOLOGIES (REGRESSIVE HEMATOXYLIN STAINING)

<u>Step**</u>	<u>Solution</u>	<u>Time</u>
1.	95% Alcohol.....	30 seconds
2.	Running H ₂ O.....	40 seconds
3.	BBC Gill's 1 Hematoxylin.....	4 minutes
	or BBC Gill's 2 Hematoxylin	2 minutes
	or BBC Cyto•Hematoxylin™.....	3 minutes
4.	Running H ₂ O.....	1 minute
5.	BBC Acid Wash•Cyto™	45 seconds
6.	Running H ₂ O.....	1 minute
7.	BBC Blueing Solution•Cyto™	30 seconds
8.	Running H ₂ O.....	1 minute
9.	95% Alcohol.....	30 seconds
	* Rapid Pap Stain.....	1 minute
	-then skip to step 14	
10.	OG-6.....	1 minute
11.	95% Alcohol	50 seconds
12.	95% Alcohol.....	50 seconds
13.	BBC EA-50 (Gill's Modified).....	7 minutes
	or EA-65 (Gill's Modified).....	7 minutes
	or EA-50 (Papanicolaou)	3 minutes
	or EA-65 (Papanicolaou)	3 minutes
14.	95% Alcohol.....	25 seconds
15.	95% Alcohol.....	25 seconds
16.	BBC S2•Cyto™.....	25 seconds
17.	BBC S2•Cyto™.....	25 seconds
18.	BBC S3™ or Xylene	30 seconds
19.	BBC S3™ or Xylene	30 seconds
20.	BBC S3™ or Xylene	30 seconds

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