



S2•Cyto™

Catalog #4871

Intended Use

S2•Cyto™ is a dehydrating agent designed specifically for cytology preparations. It causes optimum differentiation of cytoplasmic counterstains. When used as directed it produces ideal differentiation of OG-6 and EA counterstains with multiple hues of green, blue, pink and orange.

General Information

S2•Cyto™ is a dehydrant formulated to dehydrate cytologic preparations and differentiate cytoplasmic counterstains simultaneously. It rapidly dehydrates cells and at the same time differentiates counterstains at the proper rate by balancing the rate of section dehydration with that of differentiation. When S2•Cyto™ is used with BBC EA's, and OG-6, or Rapid Pap™, the ideal spectrum of cytoplasmic colors is obtained. Cytoplasmic colors are a light green or blue green balanced with pinks of Eosin-Y. Keratinization is identified by the proper intensity of OG-6. S2•Cyto™ is alcohol-based and in some areas can be poured down the drain; always consult your local wastewater disposal authority for instruction.

S2•Cyto™ is also extremely cost effective. Because of its rapid rate of dehydration accompanied by its precise rate of differentiation of counterstains, S2•Cyto™ can dehydrate increased numbers of cell preparations predictably with reproducible cytologic results. This ability to dehydrate large numbers of preparations is maintained when S2•Cyto™ is used in combination with S3•Cyto™ (the BBC clearant designed for cytology staining.) S2•Cyto™ is the dehydrant for cytology preparations that you should use routinely in cytology.

Packaging

Table with 2 columns: Catalog #, Volume. Row 1: 4871, 4x1 gal

Fixation Procedure

S2•Cyto™ is compatible with all alcoholic based fixatives. S2•Cyto™ works particularly well when preparations fixed with BBC fixatives, such as Pap•Fix™, FNA•Fix™ and Cyto•Fluid Fix™.

* If using Rapid Pap Stain

Staining Procedure

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

Table with 3 columns: Step**, Solution, Time. Lists 19 steps for progressive hematoxylin staining procedure.

*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)

Table with 3 columns: Step**, Solution, Time. Lists 12 steps for regressive hematoxylin staining procedure.

** 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.

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