

Product Information

HEMATOXYLIN & EOSIN

(Progressive Method-Gill's Hematoxylin)

Procedure GHS

LEICA ST4040™

REAGENTS REQUIRED

Gill's Hematoxylin

Catalog No.	Quantity
GHS-2-32	1 L
GHS-2-80	2.5 L
GHS-2-128	4 L

Eosin Y Alcoholic

Catalog No.	Quantity
HT110-1-32	1 L
HT110-1-80	2.5 L
HT110-1-128	4 L

Scott's Tap Water (10x)

Catalog No.	Quantity
S5134	6x100 mL

Reagent Alcohol

Catalog No.	Quantity
R8382	1 gal, 4x1 gal

Accumate Xylene

Catalog No.	Quantity
247642	2 Liters

REAGENT PREPARATION

Mix one part Scott's Tap Water concentrate with 9 parts deionized water (i.e. 1 bottle with 900 mLs deionized water). Fill, rotate and replace reagents as necessary.

REAGENT STABILITY

When stored according to label directions, unopened reagents are stable until the expiration date on the label.

NOTE: Stability times are dependent on environmental conditions and reagent handling. Since on-board stability times can vary slightly between laboratories, determination of stability under usual operating conditions is recommended.

PROCEDURAL NOTES

1. Read the "operators manual" for instructions on programming and operating the Leica ST4040™ Linear Stainer.
2. There are two versions of the the Leica ST4040™. The standard version consists of 27 reagent stations. The standard vesrsion with optional load/unload stations has additional 5 load stations, and an unload station capable of holding 6 slide racks.

3. Only the Standard Progressive Method-Gill's Hematoxylin Procedure can be used simultaneously with the Papanicolau Procedure.
4. Please refer to the product insert for specimen processing and further information regarding performance characteristics of the reagent.
5. Fill reagent containers with appropriate solutions.
6. The universal immersion time for the Standard procedure is set for 1 minute.
7. The universal immersion time for the Optional Load Station Procedure is set for 45 seconds.
8. The universal draining time is set for 5 seconds.
9. The agitation function is activated.
10. Enter the parameters and start.

STANDARD PROCEDURE

Position	Solution
1.	Xylene
2.	Xylene
3.	Xylene
4.	Xylene
5.	100% Alcohol
6.	100% Alcohol
7.	100% Alcohol
8.	95% Alcohol
9.	Water
10.	Water
11.	Gill's Hematoxylin 2
12.	Gill's Hematoxylin 2
13.	Gill's Hematoxylin 2
14.	Water
15.	Water
16.	Water
17.	Scott's Tap Water Sub.
18.	Water
19.	Water
20.	Eosin Y Alcoholic
21.	95% Alcohol
22.	100% Alcohol
23.	100% Alcohol
24.	100% Alcohol
25.	Xylene
26.	Xylene
27.	Xylene

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OPTIONAL LOAD STATION PROCEDURE

Position	Solution
1.	Xylene
2.	Xylene
3.	Xylene
4.	Xylene
5.	Xylene
6.	100% Alcohol
7.	100% Alcohol
8.	100% Alcohol
9.	100% Alcohol
10.	95% Alcohol
11.	95% Alcohol
12.	80% Alcohol
13.	Water
14.	Water
15.	Gill's Hematoxylin 2
16.	Gill's Hematoxylin 2
17.	Gill's Hematoxylin 2
18.	Gill's Hematoxylin 2
19.	Water
20.	Water
21.	Water
22.	Scott's Tap Water Sub.
23.	Water
24.	Water
25.	Eosin Y Alcoholic
26.	95% Alcohol
27.	100% Alcohol
28.	100% Alcohol
29.	100% Alcohol
30.	Xylene
31.	Xylene
32.	Xylene

RESULTS

Nuclear chromatin will stain deep blue. Nucleoli should be conspicuous and crisply outlined. Cytoplasm will stain various shades of pink to pink-orange. Red blood cells will be red.