

Product Information

PERIODIC ACID-SCHIFF'S REAGENT

(PAS-Gill's Hematoxylin)

Procedure 395

LEICA AutoStainer XL Stainer

REAGENTS REQUIRED

Gill's 2 Hematoxylin	
Catalog No.	Quantity
GHS-2-16	500 mL
GHS-2-32	1 L
GHS-2-80	2.5 L
GHS-2-128	4 L
Periodic Acid	
Catalog No.	Quantity
395-1-32	1 L
Schiff's Reagent	
Catalog No.	Quantity
395-2-016	500 mL
Scott's Tap Water (10x)	
Catalog No.	Quantity
S5134	6x100 mL
Reagent Alcohol	
Catalog No.	Quantity
R8382	1 gal
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 AutoStainer XL Stainer.
2. Please refer to the product insert for specimen processing and further information regarding performance characteristics of the reagent.

3. The Leica AutoStainer XL Stainer can closely emulate hand staining technique in its agitation of slides. Program four dips for the dip agitation.
4. Place xylene in the initial load (hold) station and in the end station.
5. Ensure Periodic Acid and Schiff's Reagent have been brought to room temperature before use.
6. Fill reagent containers (450 mL) with appropriate solutions.
7. Enter the parameters and start.

PROCEDURE

Step	Station	Solution	Time	Exact Time
1.	1	Xylene	1 min 30 sec	N
2.	2	Xylene	1 min 30 sec	N
3.	3	Xylene	1 min 30 sec	N
4.	4	100% Alc	1 min 30 sec	N
5.	5	100% Alc	1 min 30 sec	N
6.	6	95% Alc	30 sec	N
7.	7	80% Alc	30 sec	N
8.	W5	Water	3 min 30 sec	N
9.	8	Periodic Acid	5 min	Y
10.	W4	Water	2 min	N
11.	9	Schiff's Rgt	20 min	Y
12.	W3	Water	5 min	N
13.	W2	Water	5 min	N
14.	10	Gill's Hem	3 min	Y
15.	W1	Water	4 min	Y
16.	11	Scott's Tap	1 min	Y
17.	12	Tap Water	2 min	Y
18.	13	95% Alc	1 min	Y
19.	15	100% Alc	1 min 30 sec	Y
20.	16	100% Alc	1 min 30 sec	Y
21.	17	Xylene	2 min	Y
22.	18	Xylene	2 min	Y
End				

The following substances will stain magenta (purplish-red) to rose: glycogen, mucin, collagen fiber, reticulin fiber, basement membrane and fungal cell wall. Nuclei will stain deep purplish blue.