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ProductInformation

HEMATOXYLIN & EOSIN

(Regressive Method-Harris Hematoxylin)

LEICA AutoStainer XL Stainer

Procedure HHS

REAGENTS REQUIRED

Harris Hematoxylin

Catalog No.	Quantity
HHS-16	500 mL
HHS-32	1 L
HHS-80	2.5 L
HHS-128	4 L

Eosin Y Alcoholic

Catalog No.	Quantity
HT110-1-16	500 mL
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

Differentiating Solution

Catalog No.	Quantity
A3179	1 Liter
A3429	4 Liters

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 inital load (hold) station and in the end station.
5. Fill reagent containers (450 mL) with appropriate solutions.
6. 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	2 min 30 sec	N
9.	8	Harris Hem	4 min	Y
10.	W4	Water	3 min 30 sec	N
11.	9	Diff Soln	5 sec	Y
12.	W3	Water	3 min 30 sec	N
13.	W2	Water	1 min	N
14.	10	Scott's Tap	1 min	Y
15.	W1	Water	2 min	Y
16.	12	Eosin Y	15 sec	Y
17.	13	95% Alc	20 sec	Y
18.	14	100% Alc	20 sec	Y
19.	15	100% Alc	1 min	Y
20.	16	100% Alc	1 min 30 sec	N
21.	17	Xylene	2 min	N
22.	18	Xylene	2 min	N
End		(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. Tissue should show well defined contrast between nuclear and cytoplasmic stainning.

 Issued: March 2005