

Martius Scarlet Blue Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This kit is used to demonstrate Fibrin by selective staining of Red Cells, Fibrin and collagen

INTENDED USE : IN VITRO DIAGNOSTIC USE

DESCRIPTION :

Martius Scarlet Blue is a trichrome technique which demonstrates fibrin by using a small molecule yellow dye together with phosphotungstic acid in alcoholic solution to selectively stain red cells. Early fibrin is also stained yellow. By using a red dye, muscle and fibrin are stained red. The blue dye demonstrates collagen and old fibrin.

SPECIMEN COLLECTION :

Fixation in routine Buffered Formalin solution is satisfactory. Paraffin sections at 5 microns.

REAGENTS :

	150 TEST
Haematoxylin Weigerts A	1x 50ml
Haematoxylin Weigerts B	1x 50ml
Martius Yellow saturated alcoholic with 2% Phosphotungstic acid	1x 50ml
1% Crystal Scarlet (Ponceau) in 2% acetic acid	1x 50ml
1% Methyl Blue in 1% acetic acid	1x 50ml
Phosphotungstic acid 1% solution	1x 50ml

** Number of TEST calculated according to 330 microliter per slide.*

CATALOG NO :

PLKit2-150

PROCEDURE TIME : Approximate 40 minute.

PROCEDURE

1. Prepare fresh Weigert Haematoxylin by mixing equal volumes of solution A & B. Stain 10 minutes.
2. Wash well 30 seconds in water.
3. Differentiate in 1% acid alcohol solution for 1 second.
4. Wash well in running tap water for 30 second.
5. Stain with filtered Martius Yellow solution for 2 minutes. Wash well in tap water 30 seconds.
6. Stain with filtered Crystal Ponceau solution for 10 minutes. Wash well in tap water 30 seconds.
7. Put on fresh phosphotungstic acid for further 5 minutes. Wash well in water.
8. Stain with filtered Methyl blue solution for 5 minutes and check microscopically.
9. Wash in tap water for 30 seconds.
10. Dehydrate in %96, %100 alcohol, clear in Xylene and mount.

RESULTS :

Fibrin :	Red (early fibrin may stain yellow and old fibrin blue)
Muscle :	Pale red
Nuclei :	Blue-black
Collagen; basement membranes;reticulin :	Blue
Elastic fibres :	Blue
Erythrocytes :	Yellow

STORAGE AND STABILITY : This product is stable for 36 months when stored in +15 /+25 C

TROUBLESHOOTING : Please contact Patolab Technical Support by e-mail (patolab@patolab.com.tr).