

## Masson Trichrome Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

*This kit is used in the histochemical staining of connective tissues, being selective for demonstration of muscle, collagen fibres and erythrocytes.*

**INTENDED USE :** IN VITRO DIAGNOSTIC USE

### DESCRIPTION :

Three dyes are used, Weigerts iron haematoxylin for nuclei, ponceau fuchsin for muscle, cytoplasm and erythrocytes, methyl blue for collagen. The 3 dyes give selective demonstration of the above structures, hence the term 'trichrome' staining

### SPECIMEN COLLECTION :

Use routine formaldehyde fixatives is recommended. Paraffin embedded sections of tissue cut at 5 microns.

REAGENTS :	150 TEST
Haematoxylin Weigert's A	1x 50ml
Haematoxylin Weigert's B	1x 50ml
Phosphotungstic Acid 1 % Solution	1x 50ml
Ponceau Fuchsin Masson Stain	1x 50ml
2% Methyl Blue in 2.5% acetic acid	1x 50ml

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

**CATALOG NO :** PLKit20-150

**MICROBIOLOGICAL STATE :** This product is not sterile.

**PROCEDURE TIME :** Approximate 45 minute.

### PROTOCOL :

1. Prepare Weigert Haematoxylin by mixing equal volumes of solution A & B as required.
2. The working solution has been reported to remain active for up to 30 days if stored at 4°C.
3. Bring sections to water.
4. Stain nuclei with Weigert's Iron Haematoxylin for 20 minutes, wash quickly in water and differentiate in 1% acid alcohol(optional), leaving the nuclei slightly overstained.
5. Rinse and blue in water.
6. Stain with Ponceau Fuchsin solution for 5 minutes. Rinse in deionised water
7. Differentiate and mordant in Phosphotungstic acid for 5-15 minutes.
8. Transfer without rinsing to Methyl Blue solution for 5-10 minutes.
9. Rinse in distilled water
10. Blot Dry
11. Dehydrate in absolute alcohol quickly
12. Clear in Xylene and mount

### RESULTS :

Nuclei:	Blue/Black
Cytoplasm, Neuroglia fibres and Muscle:	Red
Collagen and Mucus:	Blue

**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 ).