IVD For In-Vitro Laboratory Use Only CE

Issue No: 0417-02
06/10/20

Product Protocol

Product Name	Haematoxylin & Eosin Stain Kit (H&E) (Harris 1900)

Product Code	RRSK26-100

Reagents

Haematoxylin Harris	1x 50ml
Eosin Y 1% Aqueous	1x 50ml
Acid Alcohol 0.5%	1x 50ml
Scotts Tap Water	1x 50ml

General Information

Number of Tests:	100 (based on bench top staining)
Procedure Time:	35 minutes (approximate)
Shelf Life:	3 Years (from date of manufacture)
Storage:	15-25 ^{O}C

Principle

The haematoxylin and eosin stain (H&E) demonstrates all tissue structures. The haematoxylin (alum) Harris' stains the nuclei blue/black and the eosin stains cell cytoplasm and most connective tissue fibres in varying shades and intensity from pink to red

Specimen Collection

The use of routine formaldehyde fixatives is recommended. Avoid use of glutaradehyde fixatives. Paraffin embedded sections of tissue cut at 5 microns is sufficient

Protocol

1. Dewax sections, hydrate through alcohols and rinse in tap water
2. Stain in filtered Harris' haematoxylin for 10 minutes
3. Wash well in running tap water
4. Differentiate in 0.5% acid alcohol for 10-15 seconds (see note 1)
5. Wash well in running water
6. Blue in scotts tap water
7. Wash well in water (if scotts tap water used)
8. Stain in 1% eosin Y for 2 minutes (see note)
9. Wash in running tap water 1-5 minutes
10. Dehydrate, clear and mount

Results

Nuclei:	Blue/Black
Cytoplasm:	Varying shades of pink
Muscle Fibres:	Deep Pink/Red
Red Blood Cells:	Orange/Red
Fibrin:	Deep Pink

Notes

1. The haematoxylin is used regressively and therefore the differentiation should be done with care as acid alcohol can over differentiate so check microscopically
2. The intensity of eosin staining and therefore the differentiation required is a matter of individual taste and the staining times should be adjusted accordingly
3. It is recommended that a control section be used with all slides.

Stability

If correctly stored the reagents are usuable until the expiry date

Disposal

Hazardous reagents included, observe local waste disposal regulations

Any serious incident that has occurred in relation to the device shall be reported to the manufacturer and the competent authority of the member state in which the user and/or the patient is established

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