GCC Diagnostics MSB (modified) Fibrin Stain Kit SP815

GENERAL & USEAGE INFORMATION

Demonstration of Fibrin in tissue sections.

PRINCIPLE OF TEST

Fibrin is derived from the fibrinogen of blood plasma, being precipitated initially as fine fibres in an irregular network.
It is found in acute inflammatory processes where there is transudation of plasma from vessels.
In the MSB stain Fibrin takes up the red component.

SPECIFICATION

1 –	Weigerts haematoxylins reagents A & B	100ml each
2 –	Acid alcohol differentiator	250ml
3 -	Yellow reagent – martius yellow alc.	250ml
4 -	Red reagent – crystal scarlet ponceau	250ml
5 -	Phosphotungstic acid reagent	250ml
6 -	Blue reagent – aniline blue	250ml

Reagent compounds in this kit are for 'In-Vitro Diagnostic Use'. Standard precautions in handling laboratory reagents should be followed. Refer to Safety Data Section.

STORAGE AND STABILITY

Store all kit components at room temperature (16-26DC).

ADDITIONAL REAGENTS REQUIRED

95% Ethanol (IMS).

SPECIMEN COLLECTION AND STORAGE

Unfixed cryostat sections or cold air dried formal saline or formal calcium sucrose sections .
All tissue samples should be treated as potentially infectious material. Take appropriate precautions.

TECHNIQUE

Prepare Weigerts haematoxylin working reagent - by mixing equal volumes of reagents A & B before use. The working reagent may be used for upto 14 days (store refrigerated), tightly closed from air.

1 - Bring sections to water.
2 - Stain in Weigerts haematoxylin 5 minutes approx. (lab should establish optimum staining time)
3 - Wash well in deionised water and differentiate nuclei in acid acid alcohol checking microscopically leaving the nuclei slightly overstained.
4 - Rinse and blue nuclei in tap water.
5 - Stain in Yellow reagent for 2-3 minutes and rinse for a few seconds in deionised water.
4 - Stain with Red (Scarlet) reagent for 5 minutes approx (lab should establish optimum staining time)
Rinse quickly in deionised water.
5 - Differentiate in phosphotungstic acid reagent checking the stain picture obtained microscopically to obtain satisfactory differentiation (Connective tissue appearing pink or colourless). Wash well in tapwater.
8 - Stain with Blue reagent for 1-2 minutes approx (lab should establish optimum staining time)
6 - Rinse in deionised water, dehydrate, mount in DPX and examine.

RESULT

Muscle	-	Red- pale red
Erythrocytes	-	Yellow
Collagen, basement membranes	-	Blue
Elastic fibres	-	Blue
Nuclei	-	Blue -black
Fibrin	-	Red

Early fibrin may be yellow / Very old fibrin may be blue.

Please contact us if any further method information is required.

SAFETY DATA SHEET SECTION

Use these reagents in a ventilated area / hood and wear eye and skin protection when using. Do not consume these reagents.

Some reagents in this kit contain Ethanol along with organic dyestuffs in aqueous solutions and/or phosphotungstic acid. They are Flammable or potentially Flammable and Irritant and may cause irritation/harm to eyes and sensitive skin. If in contact with eyes treat with eye-bath for 5 minutes. If in contact wash with soap and water. Seek medical attention if soreness persists.
Wear appropriate safety clothing when in use. I- Keep away from sources of ignition.
Harmfull by inhalation, skin contact and if swallowed.

For more complete information on Health & Safety, Storage, Fire-fighting, Transport , Spillage etc please read the MSDS for this product.

ACCIDENTAL SPILLAGE & WASTE DISPOSAL

In the volumes supplied in the kit and when in use, this product is unlikely to present a serious spillage risk. However, the following information is provided to deal with any spillage or disposal problem that may arise.

In all cases – mop up with cloth and wash are down with water or a solution of sodium carbonate in water to neutralise the acidic effect of the acid. Dispose of spillage or waste reagent down the public sewer diluting greatly with water.
Recycle cleaned packaging as cardboard and polyethylene (PE)

UNSATISFACTORY PERFORMANCE

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry date of shelf life we will replace that reagent free of charge.

GCC Diagnostics guarantees that the highest quality reagents are supplied with this product and that the product conforms to the information contained in this leaflet.
The user should however, determine the suitability of this product for their particular use.
If you wish to report any findings to us or if you require help or further information on the use of this product please contact us.

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