

GCC MUCIN STAIN KIT SP975

General & useage information

The term mucin is used to describe an intracellular secretion formed in a variety of cells (mucopolysaccharides and mucoproteins). This kit may be used to demonstrate mucin secretions of epithelial and connective tissue origin. Mucin may be demonstrated in paraffin, frozen or celloidin sections.

Specification

1 -Mucin stain reagent 250ml 2 -Haemalum reagent 250ml
3 -Decolouriser reagent 250ml 4 -Mucin counterstain 250ml

Storage

Store all reagents in the kit packaging at room temperature away from direct sunlight.

Additional reagents required

Xylene to de-wax, Ethanol for rehydration to water. DPX mountant.

Method

All reagents produced in this kit are ready to use and do not require any further preparation.

- 1 - De-wax and hydrate sections to water.
- 2 - Stain in Haemalum reagent for 4 minutes.
- 4 - Differentiate (reduce background staining) with decolouriser reagent. Check microscopically that section is adequately differentiated .
- 3 - Blue the nuclei by rinsing slide in running Tapwater for 3-5 minutes. Check microscopically that nuclei are stained satisfactorily.
- 4 - Stain in mucicarmine reagent for 30-60 minutes. (Control stain time microscopically by periodic examination of the slide after 30 minutes).
- 5 - Rinse in deionised water for 5 seconds.
- 6 - Stain in mucin counterstain for 10 minutes.
- 7 - Rinse in deionised water for 3-5 seconds.
- 8 - Examine or dehydrate and mount in DPX or similar and examine.

Results

Mucin	-	Rose red – deep pink
Nuclei	-	Blue – black
Other tissue compound	-	Yellow

Material safety data section

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

Mucin stain reagent is Irritant 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.

Decolouriser reagent is Harmful and Corrosive.

Contains < 3% HCl. Harmful by ingestion. Harmful in contact with eyes, may cause irritation / burns. If in contact with eyes treat eye-bath for 5 minutes. If in contact with skin wash immediately with plenty of soap and water.. Seek medical attention if soreness persists.

Haemalum reagent – Harmful by ingestion. May irritate eyes. If in contact treat as detailed above. Contains haematoxylin dye and aluminium salts. Mucin counterstain is not harmful in normal use situations.

R: 20, 21, 22, 36, 38 S: 20/21, 24/25, 36/37

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.

Mucin stain reagent & Decolouriser reagent – 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.

Haemalum reagent – Same treatment as Mucin stain reagent.

Mucin counterstain – mop up and rinse to public sewer.

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.

GCC Diagnostics [Gainland Chemical Co]. Factory road, Sandycroft. Deeside. Flintshire. CH5 2QJ. United Kingdom.
Tel: 01244 536326 Fax: 01244 531254
E-mail: gball@gccdiagnostics.com Website: www.gccdiagnostics.com

