

## TECHNICAL LEAFLET

**General & useage information**

Modified Albert stain for the demonstration of volutin granules and cytoplasm in diptheria organisms.

Kit contents: Albert stain No 1 250ml Albert stain No 2 250ml Albert stain iodine fixative 250ml

**Storage and stability.**

Keep the reagents in the kit packaging provided and ensure that the nozzles are closed to prevent evaporation and oxidation from the air. Store the kit at room temperature in a darkened cupboard. The kit reagents will remain stable in these conditions.

**Additional reagents required - Microscope immersion oil****Preparation of reagents and useage information.**

To prepare the reagent bottles for use, using scissors or similar device cut off the top 3mm of the nozzle or pierce the top of the nozzle with a nail or similar to make a small hole. Ensure that the nozzle cap will seal the nozzle. If an excessive amount is cut off you may not be able to re-seal the nozzle, if this occurs contact us for replacement nozzles.

In use carefully apply the nozzle to the slide and squeeze out sufficient reagent to cover the sample.

Excessive pressure is not required to release the reagents, ensure that the opening in the nozzle is sufficient to allow the reagent to flow without excessive pressure being applied.

The reagents are now ready to use.

Use a known positive control with the test slide to confirm that the reagent system is working.

**Method**

- 1 - Prepare air-dried smear and heat -fix the smear
- 2 - Flood slide with Albert stain No 1 for 1-2 minutes
- 3 - Rinse in water and blot dry on filter paper.
- 4 - Flood with Albert stain fixative for 1 minute, rinse & blot dry on filter paper.
- 5 - Flood with Albert stain No 2 for 1 minute, rinse & dry.
- 6 - Examine slide with oil immersion objective.

**Results**

Volutin granules - Black      Cytoplasm and cytoplasmic barring - Red

GCC Diagnostics guarantees that the highest quality reagents are supplied with this product to give reliable results within the lifetime of this kit stored as directed. The user should however determine the suitability of this product for their intended use.

**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. In the event of any reagent degrading before expiry of shelf life please contact us for a replacement.

**Material safety data section** Kit components :

Albert stain No.1 contains organic dyestuffs <0.5%, Ethanol <5% Acetic acid <5%, balance water.

Albert stain No 2 contains organic dyestuffs <0.5%, glycols <5%, balance wa ter.

Albert stain fixative contains iodine <2%, balance water.

When using this product observe the usual rules for the safe handling and use of laboratory reagents, wear suitable body, face and eyes protection. Ensure eye bath station is nearby. There is a potential danger of liquid reagent squirting out of the nozzle of the bottle by accident or in mis-use, be aware of this potential danger. Keep top on reagent bottles at all times when not in use.

Albert stain No.1 - is low risk and considered generally harmless in ordinary use. It contains a small amount of acetic acid which may cause irritation to skin and eyes and internal organs.

Albert stain No.2 - there is no real risk in ordinary use.

Albert stain fixative - there is on low risk in ordinary use. Iodine in this reagent is dilute.

H304+313+332 Harmful if swallowed, enters airways by skin contact and inhalation. H315+319 Causes skin and eye irritation - Corrosive.

P60 Do not breathe fumes. Keep container tightly closed. P262 Do not get in eyes, skin, clothing. P314 Get medical attention if you feel unwell.

If swallowed – rinse mouth with water, seek urgent medical attention.

If inhaled – move to a clear air zone.

If on skin or in eyes – rinse with soap and water and apply eye bath.

**Waste disposal of reagents**

All reagents in this kit maybe disposed of down the public sewer system by dilution with water.

The cleaned empty packaging should be recycled as polyethylene , cardboard, paper.

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