

GCC

Cryptosporidium Stain Kit

SP575

TECHNICAL LEAFLET

Principle of method

This kit contains all reagents required to demonstrate Cryptosporidium in smears.

Each kit contains the following reagents:

Fixative	250ml	Carbol fuchsin -KY	100ml	Differentiator reagent 1	250ml
Differentiator reagent 1	250ml	Counterstain	100ml		

Storage & stability

Keep the reagents in the kit packaging provided and ensure that the nozzles are closed to prevent evaporation & oxidation from the air. Store the kit at room temperature in a darkened cupboard. The kit reagents will remain stable in these conditions. This kit is for "In-vitro" diagnostic use only.

Preparation of reagents and usage 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 reagent, 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.

Information obtained from stained slides in concentration procedures should always be backed up by culturing techniques.

Method

- 1- Pick a portion of material with an applicator stick, mix the material in a drop of saline, spread it onto a glass slide and allow it to air dry.
- 2- Place the dried film in Fixative for 1 minute
- 3- Flood the slide with Cryptosporidium stain for 5 minutes at room temperature
- 4- Rinse quickly in differentiator 1 for a few seconds.
- 5- Treat with differentiator 2 for 1-2 minutes until no more colour runs from the slide.
- 6- Wash for a few seconds in tap water.
- 7- Apply counterstain the smear for 1 minute.
- 8- Rinse quickly in tap water, dry and examine under oil immersion

Results

Cryptosporidium oocysts	bright red / pink
background material	shades of green

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

MSDS Section

Fixative contains Methyl Alcohol .

Cryptosporidium stain contains organic dyestuffs <1%, Alcohols <15% Glycols <15% Phenol <5% , balance water.

Differentiator contains mineral acid <3%, Alcohols <50% , balance water.

Counterstain contains organic dyestuffs <2%, glycols <10%, 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.

Fixative contains methyl alcohol –TOXIC-HIGHLY FLAMMABLE- Cryptosporidium stain- contains phenol which is TOXIC and can be absorbed through the skin and by inhalation and ingestion. Do not consume. Use in a ventilation hood. Phenol can also cause eye damage. If in contact with eyes bathe for at least 10 minutes in eye bath - seek medical attention.

If in contact with skin wash with soap and water or If irritation continues seek medical attention. If ingested seek medical attention on what treatment to administer. The product will stain skin purple, wash with several applications of soap & water over time.

Differentiator - FLAMMABLE. IRRITANT Keep away from sources of ignition. Use in ventilation hood. The small amount of mineral acid in the product can cause irritation / burns to eyes and sensitive skin. If in contact with eyes bathe 10 minutes with eyebath - seek medical attention. In contact with skin wash with soap & water.

Counterstain - In use there is no real risk involved in using this product, however the reagents may irritate eyes and be harmful by ingestion. Skin staining (blue/green) will occur. Wash with several applications of soap & water.

R: 20-21-22-25-36-37-38 S: 2-20-26-28-45

Waste disposal of reagents

All reagents in this kit may be disposed of down the public sewer system by dilution with water, however check with local sewerage authority about the disposal of small amounts of phenolic residues.

The cleaned empty packaging should be recycled as polyethylene, cardboard, paper. Revised April 2004
GCC Diagnostics (Gainland Chemical Co), Factory rd. Sandycroft, Deeside, Flintshire. UK Tel 00441244 536326 Fx 00441244531254 www.gccdiagnostics.com email gball@gccdiagnostics.com