SP610 TB Fluorescent 2 Stain Kit GCC Diagnostics

Auramine rhodamine phenol stain reagent for the demonstration of acid fast organisms by fluorescence microscopy techniques. Some ready made Auramine rhodamine phenol reagents suffer from early deterioration which can create many problems in use. Our product is supplied as a clear, pre-filtered reagent which has been formulated to produce a stable reagent with a shelf life of 2 years.

Specification:

Contains 250ml Auramine O / Rhodamine B and phenol in an aqueous/organic solvent system. Shelf life of reagent is 2 years.
2 x 250ml Auramine Differentiator to decolourise. 250ml Potassium permanganate as contrast / counterstain.

Controls
A known positive acid fast bacilli slide should be run in the reagent at the same time as the test slide to ensure the reagent system is working as required. Use CODE CS02 to order acid fast positive control slides.

Method

Cut top 5mm off the top of the reagent bottles . Keep the cap on tight when not in use.
Prepare a 3-4 sq cm thin smear with as little mechanical manipulation as possible. Excessive movement may cause damage to bacterial cells and loss of acid fastness. Heat fix by passing the slide , smear side up, through a Bunsen flame 5 or 6 times. For sections and after heat fixing smears, 10 minutes treatment with 10% Formaldehyde (NBF) is recommended.

1 – If Formaldehyde treated smears or sections are used wash first in tap water and rinse in deionised water.
2 – COLD: Flood smear for 15-20 minutes at room temperature with Auramine Rhodamine Phenol stain.
HOT: Stain in a suitable closed vessel for 6-10 minutes at 60 Deg C.
3 – Rinse briefly in tap water.
4 – Decolourise by flooding the slide with Auramine Differentiator for 2- 3 minutes until colour runs clear. Rinse in tap water for 30-60 seconds.
5 – Flood with Potassium permanganate for 2-3 minutes. Rinse in tap water. Blot dry and examine by Fluorescence microscopy.

The method given is designed as a general guide only – the laboratory would be expected to establish its own operating procedure using these reagents.

Material safety Data Section

Prepared Auramine rhodamine phenol reagent will stain the skin and eyes and other tissue.
The product contains Phenol approx 5% w/w. Phenol / Auramine and Rhodamine are Toxic by inhalation, skin absorption and ingestion. It has also been shown that they both may cause cancer in some laboratory animals. Use strict laboratory safety practise when using this product.
Auramine Differentiator contains 70% Ethanol and a small amount of Mineral acid- it is Flammable and will irritate/ burn eyes and skin.
Potassium permanganate is Harmful by ingestion, eye and skin contact.
When using these reagents. Wear eye and body protection and use in a ventilated hood. Do not consume. If in contact with eyes rinse with eye bath for 5 minutes, if soreness persists seek medical attention. If in contact with skin wash with soap & water. If ingested wash out mouth with water, do not swallow rinse water and seek immediate medical advice on what treatment to administer. Do not inhale vapours. Use this product in an efficient ventilated fume hood. Wear full body protection when using. If inhaled and feeling unwell, move patient to clean air zone and seek immediate medical attention on what treatment to administer.
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Waste disposal :

In the volumes involved in this procedure, the product can be disposed of to the public sewer system diluting it with water during disposal. However the product contains Phenol and local regulations may require different disposal arrangement therefore the user should be aware of and follow local regulatory requirements.
The bottles are polyethylene and should be re-cycled. Box is cardboard.

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 of shelf life we will replace that reagent free of charge. GCC Diagnostics guarantees the quality of this product, the user should however determine
the suitability of this product for their intended use.

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