

**METHANOL
FREE**

PREVI[™]
— *Fluo TB*

Innovative **Fluorescence** test for Mycobacteria

RAPID & ACCURATE


BIOMÉRIEUX

Auramine staining kit for mycobacteria detection

SENSITIVITY:

Results comparable to the Degommier method are achieved with the Auramine kit.

RAPIDITY:

The fluorescence technique allows rapid detection at low magnification.

RELIABILITY:

With a significant reduction of visual fatigue, the fluorescence technique allows higher concentration for more precise diagnostic.

READY-TO-USE:

Using a kit avoids any dangerous composite handling. It includes all necessary components: fixative, stain, counter-stain and discolouring.

INSTRUCTIONS FOR USE

Preparation of solution 1 containing Auramine*

• Mix equal quantities of concentrated Auramine (R2) and phenol solution for Auramine (R3).

Preparation of solution 2 containing Thiazine Red*

• Mix equal quantities of concentrated Thiazine Red (R5) and phenol solution for Thiazine Red (R6).

• The combined solutions containing Auramine and Thiazine Red (1 and 2) can be stored for 5 days 15°C-25°C, in the dark.

Specimen preparation

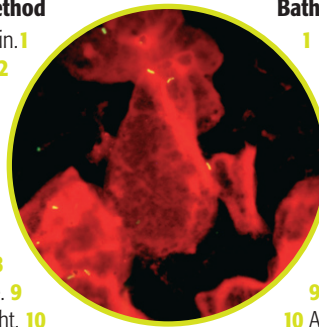
- Smear the specimen to be examined in a thin layer on a clean grease-free slide.
- Dry.
- Heat fix slides before beginning the staining process.

Specimen staining (approximately 39 mn)

PREVI® Fluo TB reagents may be used with bath or overlay methods.

Overlay Method

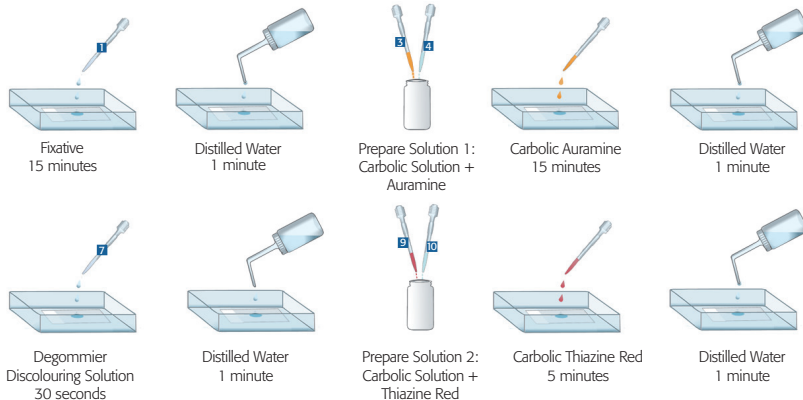
- 1 Place heat fixed slides on a staining rack over waste catch basin.
- 2 Overlay Fixative (R1) for 15 minutes.
- 3 Rinse and Overlay with distilled water for 1 minute.
- 4 Overlay solution 1 (R2 and R3) for 15 minutes.
- 5 Rinse and Overlay with distilled water for 1 minute.
- 6 Overlay Degommier discoloring solution (R4) for 30 seconds.
- 7 Rinse and Overlay with distilled water for 1 minute.
- 8 Overlay solution 2 (R5 and R6) for 5 minutes.
- 9 Rinse and Overlay with distilled water for 1 minute.
- 10 Air dry away from light.



Bath Method

- 1 Place heat fixed slides in a staining rack.
- 2 Immerse in Fixative (R1) for 15 minutes.
- 3 Immerse in distilled water for 1 minute.
- 4 Immerse in solution 1 (R2 and R3) for 15 minutes.
- 5 Immerse in distilled water for 1 minute.
- 6 Immerse in Degommier discoloring solution (R4) for 30 seconds.
- 7 Immerse in distilled water for 1 minute.
- 8 Immerse in solution 2 (R5 and R6) for 5 minutes.
- 9 Immerse in distilled water for 1 minute.
- 10 Air dry away from light.

STAINING PROCEDURE:



READING

AND INTERPRETATION

- Observe under the fluorescence microscope (450-480 nm wavelength) without a cover slip and without using the immersion objective: Acid fast bacilli (AFB, mycobacteria) appear fluorescent yellow-green, the background of the preparation is red.
- Additional techniques (culture, identification, etc.) must be used to establish a diagnosis.
- When using the bath method it is recommended to change all reagents in staining troughs at least every 5 days.

CONTENT OF THE KIT

Kit: REF 411010

- R1 = Fixative (1 x 250 ml)
- R2 = Concentrated Auramine (1 x 125 ml)
- R3 = Phenol solution for Auramine (1 x 125 ml)
- R4 = Degommier discoloring solution (1 x 250 ml)
- R5 = Concentrated Thiazine Red (1 x 125 ml)
- R6 = Phenol solution for Thiazine Red (1 x 125 ml)

Individual packs :

- REF 411011 Fixative (1 x 1 l)
- REF 411015 Concentrated Auramine (1 x 500 ml)
- REF 411014 Phenol Solution for Auramine (1 x 500 ml)
- REF 411012 Degommier discoloring solution (1 x 1 l)
- REF 411009 Concentrated Thiazine Red (1 x 500 ml)
- REF 411013 Phenol solution for Thiazine Red (1 x 500 ml)

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