

## Kit Fluo-RAL

Staining with Kit Fluo-RAL allows a fast detection of mycobacteria, also known as A.F.B (Acid-Fast Bacilli).

Kit Fluo-RAL is a 4-step fluorescence staining technique:

- A Fixative Solution fixes the smear and prepares for staining.
- Auramine Solution stains all elements yellow-green.
- Degommier Discoloring Solution discolor bacterias except mycobacteria.
  - The specific wall structure of mycobacteria prevents the action of Acid-Alcohol discoloring solution so that they remain stained by the Auramine.
- Thiazin Red Solution counterstains the background in red.

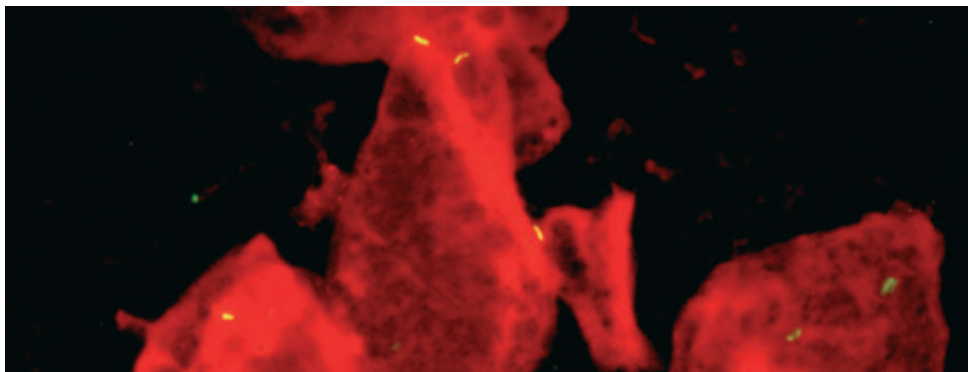
Subsequently, mycobacteria appear stained yellow-green on a red background.

This stain provides a high contrast for an improved and fast screening.

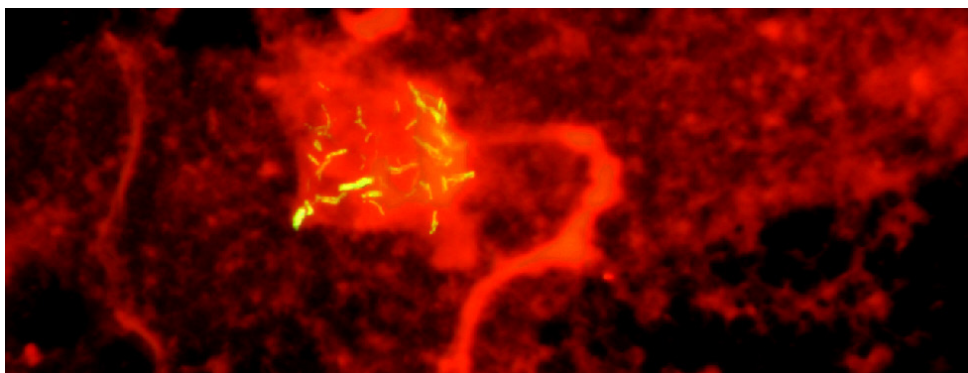


Features			
<b>High quality staining</b> <ul style="list-style-type: none"> <li>• Gives reliable results</li> <li>• Provides sensitivity similar to hot staining</li> <li>• Clearly highlights mycobacteria</li> </ul>	<b>Safer working environment</b> <ul style="list-style-type: none"> <li>• Fixation without methanol</li> <li>• Avoids toxic fumes</li> </ul>	<b>Time saving</b> <ul style="list-style-type: none"> <li>• Detects mycobacteria quickly</li> <li>• Streamlines lab workflow</li> <li>• Allows analysis at X20 and X40</li> </ul>	<b>Reproducibility</b> <ul style="list-style-type: none"> <li>• Delivers consistent results for every slide</li> </ul>

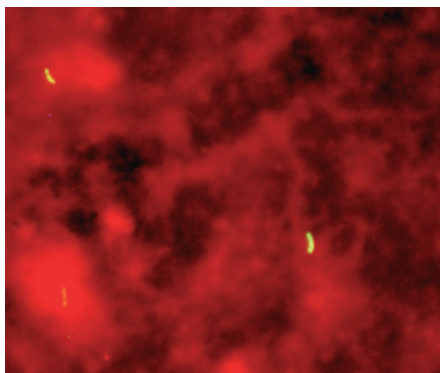
Expectoration, *Mycobacterium abscessus* - Obj. x40



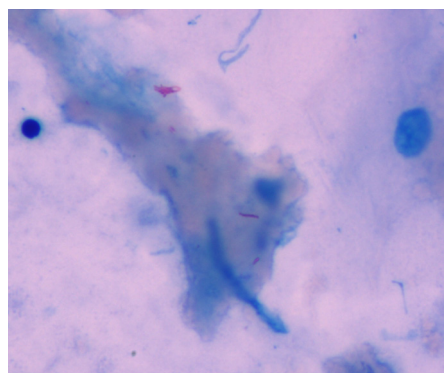
Expectoration, *Mycobacterium tuberculosis* - Obj. x40



Comparison between Auramine and Ziehl-Neelsen staining



Expectoration, *Mycobacterium tuberculosis* - Obj. x50



Expectoration, *Mycobacterium tuberculosis* - Obj. x50

## Kit Fluo-RAL

## Technical specifications

### APPLICATIONS

- Bacteriology

### INTENDED USES

- Acid fast bacilli differential fluorescent staining prior to microscopic examination.

### PRODUCT DESCRIPTION

- Kit Fluo-RAL  
REF.: 359000-0000

### Components

#### Clear colorless solutions

- Fixative Fluo-RAL  
REF.: 362115-0250 (250 mL)
- Carbolic solution for Auramine  
REF.: 362530-0125 (125 mL)
- Carbolic Solution for Thiazine Red Fluo-RAL  
REF.: 362610-0125 (125 mL)
- Degommier Discolouring Solution Fluo-RAL  
REF.: 362210-0250 (250 mL)

#### Clear red solution

- Thiazine Red Fluo-RAL  
REF.: 362780-0125 (125 mL)

#### Cloudy yellow solution

- Auramine Fluo-RAL  
REF.: 362325-0125 (125 mL)

### STABILITY

- Acid dissociation between Carbolic Solution and Fluorescent reagents (Red Thiazine and Auramine) for better stability
- 12 months of stability

### NUMBER OF TESTS

- Up to 200 slides

### STORAGE CONDITIONS

- 15-25°C
- Keep away from light and heat

### TECHNIQUE

- Manual staining

### ANALYSIS METHOD

- Fluorescence microscopy

### TECHNICAL DOCUMENTATION

- Technical documents available on [my.ral-diagnostics.fr](http://my.ral-diagnostics.fr)