



# RAL STAINER

Standardize and secure your staining protocols in tuberculosis



PIONEERING DIAGNOSTICS

# RAL STAINER

RAL STAINER is an easy-to-use automated staining unit. Compact and efficient, it is equipped with an original radio frequency identification (RFID) system to eliminate protocol errors.

High-quality reproducible staining can be achieved through the combination of new RAL stains and a robust reliable mechanism.

RAL STAINER is the ideal flexible solution for laboratories to handle their routine analyses.



## SIMPLE

- Standardization of the staining process
- Ready-to-use reagents: place them directly into the instrument!
- Intuitive user interface
- Pre-programmed, customisable protocols

## RELIABLE

- No mechanical parts in contact with the stains: no daily maintenance needed
- High-quality RAL reagents
- Level detectors in each bath & in the waste container
- Cycle and reagent traceability

## FLEXIBLE

- 2 different stainings can be performed on board: ZN and Auramine (easy switch from one kit to another)
- 10 recorded protocols (adjustable if required)
- Stains 1 to 20 slides (2 racks of 10 slides)
- Password-based user identification

## SAFE

- No direct handling of reagents
- Automatic reagent draining past the expiry date
- Automatic slide drying
- Closed system
- Active carbon filter to neutralise reagent vapours
- Chemical fixation step on-board the instrument
- No cross-contamination between slides (for poster availability, please contact your local bioMérieux representative)

# RAL STAINER TUBERCULOSIS RANGE

RAL STAINER works exclusively with RAL DIAGNOSTICS stains well known for their quality ever since 1916.

RAL STAINER replicates «the bath staining process» automating manual techniques and offering optimal result quality.

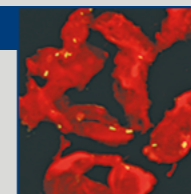
Stainings are standardized and reproducible. The recommended staining protocols have been optimized by RAL DIAGNOSTICS together with reference laboratories. However, should special contrasts be required, the «dipping time» in each reagent can be adjusted and validated by the user.

RAL DIAGNOSTICS reagents are made from the highest quality components for a constant, reliable and traceable protocol performance.

### RAL STAINER FLUO-RAL KIT

Auramine fluorescent staining for mycobacteria detection

- Fast screening of mycobacteria
- As sensitive as the Ziehl Neelsen standard staining
- Deep contrast for a safer and easier detection



### FLUO-RAL LED MODULE\*

Source of fluorescent led light to be fitted easily on an epi-fluorescence microscope

Advantageous replacement for conventional, mercury or xenon vapour lamps

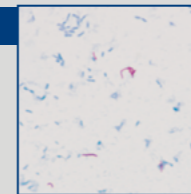


\* For availability, please contact your local bioMérieux representative

### RAL STAINER COLD ZN KIT

Cold Ziehl Neelsen staining for mycobacteria detection

- Confirmation method for suspicious results obtained with the Fluorescence test
- Confirmation method for culture samples
- No exposure to phenol vapors and fumes
- Fast staining



### SUREFIX

Fixative solution for bacterial smears in addition to heat or chemical fixation

- Thin qualitative smear
- Smear integrity maintained throughout staining
- Increased safety

## RAL STAINER TECHNICAL FEATURES

- Bath staining machine
  - LCD touch screen
  - Utilizes RAL Staining Kits
  - RFID tags
  - Autonomy from 1 to 20 slides (2 racks of 10 slides)
  - 2 loading/unloading/drying zones
  - 4 staining stations, 1 rinsing station
  - Rinsing liquid reservoir
  - Automatic waste removal in 10L container
- Height: 58.7cm – Diameter: 40cm
  - Weight: 28 kg
  - Supply voltage range: 110-230V/50-60Hz/150 VA



Reference : 414 195

## RAL STAINER COLD ZN KIT

- Suitable for 500 slides
- Life Span: 14 days after opening



Reference : 414 194

Fixative	1 x 200 ml
Fuchsin	1 x 200 ml
Discolouring Solution	1 x 200 ml
Methylene Blue	1 x 200 ml

## RAL STAINER FLUO-RAL KIT

- Suitable for 300 slides
- Life Span: 7 days after opening

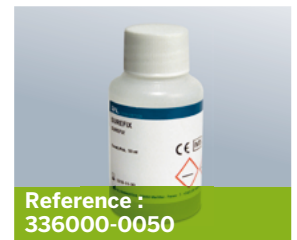


Reference : 414 193

Fixative Fluo-RAL	1 x 200 ml
Auramine Fluo-RAL	1 x 100 ml
Solution for Auramine	1 x 100 ml
Discolouring Solution Fluo-RAL	1 x 200 ml
Thiazine Red Fluo-RAL	1 x 100 ml
Solution for Thiazine Red	1 x 100 ml

## SUREFIX

- Suitable for 1.000 slides
- For use with solid or liquid culture media



Reference :  
336000-0050

1 x 50 ml

### MANUFACTURED BY

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### DISTRIBUTED BY

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