

BIOMÉRIEUX

# RAL<sup>®</sup> 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.

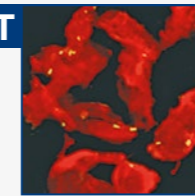
Stainings are standardized and reproducible. The recommended staining protocols have been optimized by RAL® DIAGNOSTICS together with reference laboratories. However, should special contrasts be required, the «dipping time» in each reagent can be adjusted and validated by the user.

RAL® diagnostics reagents are made of high quality components for a constant, reliable and traceable protocol performance.

### RAL® STAINER FLUO-RAL® KIT

Auramine fluorescent staining for mycobacteria detection

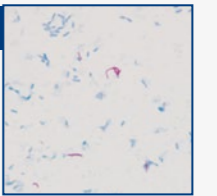
- Fast screening of mycobacteria
- As sensitive as the Ziehl Neelsen standard staining
- Deep contrast for a safer and easier detection



### 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

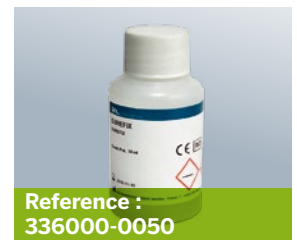


Reference : 414 193

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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