# **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

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• Supply voltage range: 110-230V/50-60Hz/150 VA

*Reference : 414 195* 

# **Kit RAL Stainer Cold ZN**

• Suitable for 500 slides

• Life Span: 14 days after opening

#### Reference : 414 194

Fixative	1 x 200 ml	
FUCHSIN Discolouring Colutio	1 x 200 ml	
Discolouring Solutio		
Methylene Blue	I x 200 ml	

# Fixative Fluo-RAL

Auramine Fluo-RAL Solution for Auramine Discolouring Solution Fluo-RAL Thiazine Red Fluo-RAL Solution for Thiazine Red

• Suitable for 300 slides

Reference : 414 193

• Life Span: 7 days after opening



1 x 100 ml

**Kit RAL Stainer Fluo-RAL** 

1 x 200 ml 1 x 100 ml 1 x 100 ml





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# Standardize and secure your staining protocols in tuberculosis





# **RAL STAINER**

RAL STAINER is an easy to use automated staining unit, compact and efficient, equipped with an original RFID system eliminating any 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.

# 

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

# RELIABLE

- On the stain of the stain of the stains of the stains of the stain no daily maintenance needed
- RAL reagent high quality
- Level detectors in each bath & in the waste container
- Traceability of cycles performed and reagents used



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 user.

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

#### **KIT RAL STAINER FLUO-RAL**

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

#### **KIT RAL STAINER COLD ZN**

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

### **MODULE LED FLUO-RAL\***

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



Output 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)
- Users management by password

# **SAFE**

- No direct handling of the reagents
- Automatic reagents draining past their expiry date
- Automatic slide drying
- Closed system
- Neutralisation of reagents vapours by active carbon filter
- Chemical fixation step in the instrument

#### A scientific study was conducted at the National Reference Center for Mycobacteria, Pitié-Salpétrière in Paris. This study

shows that there is no risk of cross-contamination between slides from direct exams subject to auramine staining in a system using the technique of immersion in baths.

