

**Leader in stains for microscopy
since 1916**



- HAEMATOLOGY
- BACTERIOLOGY
- MYCO-PARASITOLOGY
- CYTOLOGY
- HISTOLOGY



RAL INSTRUMENTS is a subsidiary of **RAL DIAGNOSTICS**.

RAL DIAGNOSTICS - Site Montesquieu - 33651 MARTILLAC CEDEX - FRANCE
E-mail : export@reactifs-ral.fr
Tel: +33 (0) 557 960 404 - Fax: +33 (0) 557 960 405

www.ral-diagnostics.com

ISO 9001: 2008 and ISO 13485: 2003 Certification



**Choose the FLUO-RAL CONCEPT
For optimum detection of tuberculosis**



**FLUO-RAL
CONCEPT**

LED Illuminator

+

Auramine Staining

réf. 12075 - Edition avril 2011

CONCEPT FLUO-RAL



MODULE FLUO-RAL

Transform your conventional fluorescent microscope into an LED microscope

■ Safe

- **No UV radiation**, unlike a mercury-vapour lamp
- **Mercury-free** and combined with **methanol-free** stain for less environmental impact
- **Targeted wavelength** for improved A.A.F.B. excitation

■ Economic

- **Minimum energy consumption** (6W instead of 100W) for maximum fluorochrome excitation
- **10,000 hours** of constant intensity light

■ Simple

- **Rapid set-up:** plug in, turn on
- **Ready instantly:**
 - no warm-up time
 - or cool-down time
- **No maintenance**

■ Adaptable

to most conventional microscopes thanks to adapter rings



Adapters

■ System Specifications:

- Lifetime: 10,000 hours
- Dimensions: Ø 72 mm x L 108 mm
- Weight: 554 g
- Power: 6 W

The MODULE FLUO-RAL can be used with the existing filters of your microscopes and is perfectly suited to all applications using FITC such as fluorochrome in immunofluorescence (in research into Legionella, Coxiella (Q fever), Chlamydia, Pneumocystis, etc.).

The MODULE FLUO-RAL, which can be adapted to most conventional microscopes, is an efficient and economic alternative to Mercury or Xenon vapour lamps. According to the WHO, LED fluorescent microscopy is a more sensitive alternative to traditional ZN microscopy for all types of laboratories.

In combination with the MODULE FLUO-RAL, the Fluo-RAL Kit will optimise the contrast of your stain. The methanol-free formulation of the Fluo-RAL Kit protects the user.

LED Illuminator



Module Fluo-RAL : code 400 000

Auramine Staining

Kit Fluo-RAL Methanol-free



Kit Fluo-RAL code : 359000-0000

Optimum detection of tuberculosis

Kit Fluo-RAL

Sensitivity:

Better results than with the traditional hot ZN method.

Comfort:

Significant reduction in visual fatigue: less time required per slide thanks to more comfortable reading.

Ready to use:

Kit Fluo-RAL includes all the necessary reagents: fixative, stain, counter-stain and decolourising agent.



Expectoration
Mag. X 40
Digital zoom