Tuberculosis testing using fluorescence microscopy at highest cost effectiveness

**HIGHEST SENSITIVITY**

For in vitro diagnostic use.

CyStain® TB: auramine rhodamine staining reagents (IVD, CE)

Royal Blue LED (455 nm) for epi-illumination fluorescence excitation

White light LED for transmitted light

Achromatic objectives: 20×, 40×, 100× – oil immersion, additional fourth objective on request

Eyepiece: 10× wide field/18 mm

USB digital CMOS colour camera, easy to use operating software included

Power supply: built-in rechargeable batteries or AC line voltage (100V – 240V)

Easy convertible for Malaria diagnostics
CyScope® TB—Fluorescence Microscope for Highest Sensitivity Tuberculosis Diagnosis

For the three “global killer diseases”, HIV/AIDS, TB, and Malaria, fast and reliable diagnosis is crucial for modern laboratory practices. In resource-limited settings, TB is diagnosed by using sputum smears with microscopy for which fluorescence based microscopic techniques have shown to be much more sensitive than transmitted light microscopy (Ziehl Neelsen), where *M. tuberculosis* bacilli in a significant number of cases are not seen. The unique portable/mobile and battery-operated CyScope® TB for transmitted light and fluorescence microscopy features highest sensitivity optical systems and a most modern high power LED technology, ensuring excellent fluorescence excitation and emission efficiency as well as highest contrast and image quality. Due to its advanced high optical quality, the CyScope® can be easily used also outside of dark rooms which are necessarily required for conventional fluorescence microscopes. Due to most modern LED technology, any needs for lamp bulb replacement and light source realignment are eliminated. The CyScope® TB is a modular built system and easy convertible for Malaria diagnostics.

**CyStain® TB—Auramine Staining Kit for fast and sensitive TB diagnosis**

CyStain® TB is a reagent kit for the identification of *Mycobacterium tuberculosis* consisting of an auramine rhodamine based staining solution. The complete reagent kit is an optimized combination of chemicals for the safe and clear characterization of acid-fast mycobacteria in clinical samples. Ideally, the CyStain® TB test kit is used in combination with the LED fluorescence microscope CyScope®. CyStain® TB is CE-marked and IVD approved. The unit size per kit is 240 tests. Partec offers a very competitive price per test while making available most rapid supply services and close application support to all destinations worldwide.

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