

TB MODS TEST KIT*

- Detects the presence of viable *Mycobacterium tuberculosis* and...
- Performs susceptibility testing simultaneously and within the same procedure.
- Detects resistance to **both** isoniazid and rifampicin; the two most commonly used drugs for therapy.
- Uses liquid culture for accelerated growth.
- Detects susceptible, mono-resistant, and multi-drug resistant (MDR) TB usually within a 5 to 10 day incubation period.
- Utilizes the TB cording phenomenon for identification, which is easily viewed with an inverted microscope.
- Can be used to monitor patients on therapy. Detects only living organisms.
- Cost effective and labor saving at the price of approximately \$5.00 per test.
- Ready-to-use antibiotics available in an easy-to-dissolve tablet. No measuring, weighing, or mixing needed.
- All vials and reagents are color coded to simplify and error-proof the procedure.
- Unique protective flexible silicone sealing lid for increased safety. Tray remains permanently sealed throughout the entire incubation and examination procedure. Safety lid can be easily pierced with a needle/syringe if sub-culturing or rapid speciation is necessary.
- Formulated in a standardized, ready-to-use kit format complete with 24-well trays and color coded vials.
- Kit contains all necessary components. No need to source from multiple vendors.
- No expensive capital equipment required. Utilizes an inverted microscope (approximately \$2,500 USD). See below.



TB MODS Kit - a complete, simplified, and standardized system.



Color coded ready-to-use reagents



MODS Antibiotic Tablets



MODS Sealing Lid for safety



Inverted Microscope

For use with the TB MODS KIT™

The VanGuard inverted microscope is recommended for use with the MODS procedure. This trinocular brightfield microscope uses a 30W light source and features Infinity Corrected Optics. It comes with 4x and 10x fluorite objectives for 40x and 100x total magnification. Five year warranty.

110 volts, each..... 1491INIMODS
 220 volts, each..... 1491INIMODS220



Microscopic Observation Drug Susceptibility Assay
 A standardized and accelerated liquid culture and direct susceptibility testing method for *Mycobacterium tuberculosis*.



phone: (800) 266-2222
 fax: (805) 614-9274
 website: www.HardyDiagnostics.com
 email: Sales@HardyDiagnostics.com

1430 West McCoy Lane
 Santa Maria, 93455 CA
 USA

*Not currently for sale within the United States.

Hardy Diagnostics is pleased to present the new



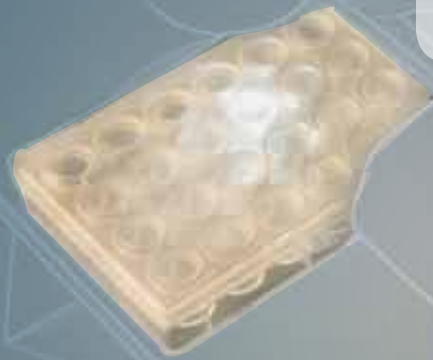
Microscopic Observation Drug Susceptibility Assay
A standardized and accelerated liquid culture and direct susceptibility testing method for *Mycobacterium tuberculosis*.

A solution demanding attention...

- ***Simultaneous detection and susceptibility testing to both isoniazid and rifampicin***
- ***Speedy results within 5 to 10 days***
- ***Sensitivity at 97.8%*, Specificity at 99.6%****
- ***Standardized ready-to-use components***
- ***Affordable liquid culture method***

*Sensitivity and specificity data is for traditional non-commercialized MODS testing. Moore, D. A. J. et al. 2006. Microscopic-Observation Drug-Susceptibility Assay for the Diagnosis of TB. N. Engl. J. Med. 355;15:1539-50. Studies for the TB MODS Kit™ in comparison to the non-commercialized MODS are currently being conducted in Peru.

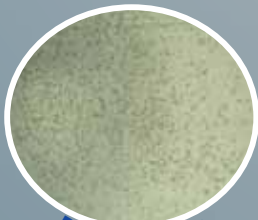
100 Test Kit.....TB100
50 Test Kit.....TB50



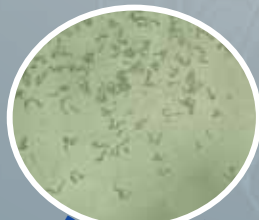
Detection is based on TB's cording phenomenon. Susceptibility to isoniazid and rifampicin is tested at the same time. Cording is usually seen within 5 to 10 days.



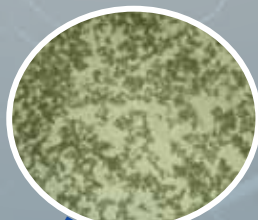
Day 5, 100x



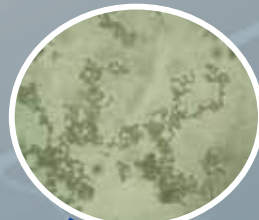
Day 7, 100x



Day 9, 100x



Day 21, 40x



Day 23, 40x