

BACTEC MGIT 960



fast

safe

automated

# BD BACTEC™ MGIT™ 960 System for Mycobacteria Testing

*Safe Operation and Fast Results in a Fully Automated System*



Helping all people  
live healthy lives

# BD BACTEC™ MGIT™ 960 Mycobacteria Culture System

*The world's only automated system for mycobacteria growth & detection without sharps or glass tubes.*

## A Legacy of Leadership

The BD BACTEC MGIT 960 System is the next generation in a proven line of mycobacteria testing instruments from BD Diagnostic Systems—the undisputed world leader in mycobacteriology. The BD BACTEC MGIT 960 System builds on the legacy of the BD BACTEC™ 460TB System, the world's first instrumented system for mycobacteria testing. The BD BACTEC MGIT 960 System combines quality and reliability with the technology used in the MGIT (Mycobacteria Growth Indicator Tube) System.

## A New Level of Simplicity & Performance

The BD BACTEC MGIT 960 System was designed with simplicity in mind, ensuring maximum productivity with minimal staffing and training.

- **Bar code scanning**

Guides the simple 4-step operating procedure, eliminating potential errors.



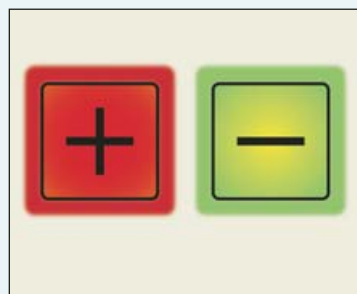
Step 1: Select workflow.



Step 2: Scan tube at instrument.



Step 3: Load where indicated by green light.



Step 4: Remove positives and completed negatives as they occur.

## A Commitment to Safety & Performance

*The BACTEC MGIT 960 System was designed to meet the needs of TB laboratories and has been reported as the system with equivalent performance to the BD BACTEC 460TB System.<sup>1,2</sup>*

- **Plastic tubes enhance safety**

The BD BACTEC MGIT 960 System accentuates operator safety with plastic tubes, no sharps and no need to handle or transfer tubes once the system is loaded.

- **Fully automated testing**

Identifies positives as they occur – often at a faster rate than other instrumented systems.<sup>2,3,4</sup> Faster results can improve patient care and lower health care costs by reducing hospital stays and optimizing equipment and staff utilization.

- **Unprecedented 960-tube, space-saving capacity**

Capacity of approximately 8000 specimens per year from a system that makes optimal use of valuable laboratory space.

- **Functions with BD EpiCenter™ System for high-power data management**

Use with the EpiCenter System multiplies your options. Long-term data storage and historical trending are now possible with bi-directional interface to an LIS. Conduct long-term tracking of individual TB patients and research for susceptibility patterns.

- **Susceptibility testing for *Mycobacterium tuberculosis***

Fully automated AST reading and interpretation for consistent results.



The BACTEC MGIT 960 instrument automatically directs the placement of each tube within the instrument and indicates positives with both a visual and an audible signal as they occur.

The BACTEC MGIT 960 System is non-radiometric. It uses **MGIT media and patented sensors**, making efficient use of advanced **fluorometric technology**, which permits highly accurate detection of O<sub>2</sub> consumption without sharps. **Automated quality control** is performed continuously to ensure precise and reliable operation. Results are provided as **positive/negative** and numerical **Growth Units**.

<sup>1</sup>Roggenkamp et al. JCM, Vol. 37, No. 11, p. 3711-3712.

<sup>2</sup>Tortoli et al. JCM, Vol. 37, No. 11, p. 3578-3582.

<sup>3</sup>Alcaide et al. JCM, Vol. 38, No. 1, p. 398-401.

<sup>4</sup>Hanna et al. JCM, Vol. 37, No. 3, p. 748-752.



# Complete Solutions for Mycobacteria Testing



## **BACTEC™ MGIT™ 960 Susceptibility Tests**

Fully automated AST



## **BBL™ MGIT™**

Advanced fluorometric manual mycobacteria detection



## **BACTEC™ 460TB**

Automated mycobacteria detection and susceptibility testing



## **BD ProbeTec™ ET**

Mycobacterial assays using amplified probe technology for direct detection and culture ID\*



## **Lowenstein-Jensen and Middlebrook**

BBL™ Prepared Tubed Media



## **Falcon™**

Sputum Collection System



## **BBL™ Acid-Fast and Fluorescent Stains**

Staining kits and reagents for mycobacteria



## **BBL™ MycoPrep™**

Mycobacterial specimen digestion/decontamination kit

\*Mycobacterial assays not available in US.



### **BD Diagnostics**

7 Loveton Circle  
Sparks, MD 21152-0999 USA  
Tel: 800.638.8663  
www.bd.com/ds

11 rue Aristide Bergès  
38800 Le Pont de Claix, France  
Tel: 33.4.7668.3636

2280 Argentia Road  
Mississauga, Ontario  
Canada L5N 6H8  
Tel: 800.268.5430

30 Tuas Avenue 2  
Singapore 639461  
Tel: 65.6861.0633

Monte Pelvoux 111, 9th Floor  
Col. Lomas de Chapultepec  
11000 México D.F.  
Tel: 52.55.59.99.82.00

Rua Alexandre Dumas 1976  
04717-004 São Paulo, S.P. Brazil  
Tel: 55.11.5185.9833

Akasaka DS Building  
5-26 Akasaka 8-chome  
Minato-ku  
Tokyo, 107 Japan  
Tel: 81.24.593.5405

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