

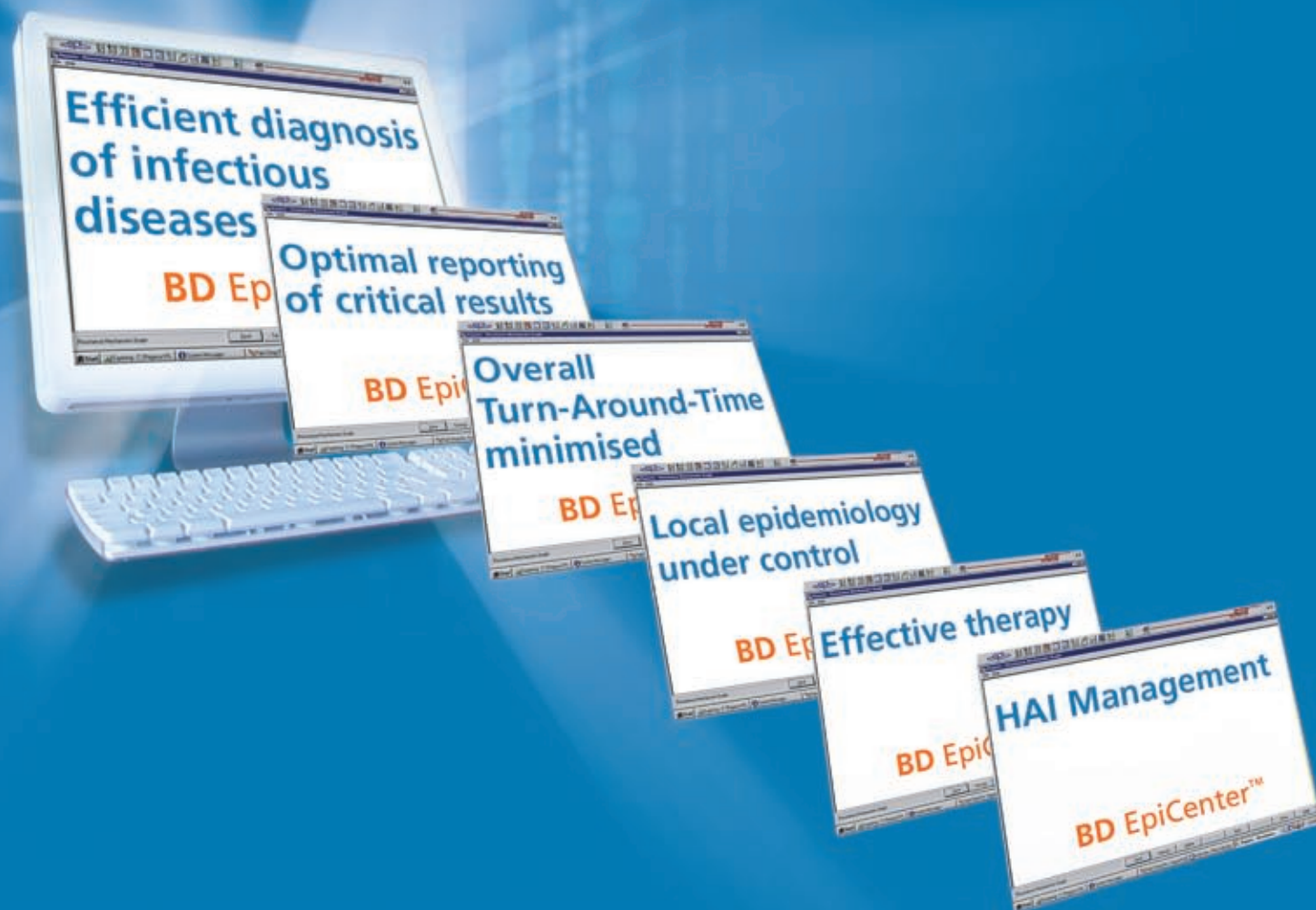
BD EpiCenter™

The Right Therapy

Healthcare-associated infections (HAIs) and temporal changes in bacterial resistance to antibiotics have become major health issues.

Overuse of antibiotics or systematic broad-spectrum antibiotic therapy prescribed to patients before obtaining test results strongly encourages bacterial resistance to antibiotics and increases the risk of infection.

In order to provide the appropriate therapy, an efficient communication system driven by the microbiology laboratory needs to be put in place involving the laboratory itself, infection control and the hospital department.



To answer this need, BD has developed BD EpiCenter™, a **UNIQUE** solution for microbiology laboratories to communicate and track all the information needed by every professional involved in the diagnosis of infectious diseases, the monitoring of bacterial ecology and patient treatment.

Infection Control

Nosocomial
Infection Control
Resistance

Patient Treatment
Antibiotherapy

Hospital Services

BD EpiCenter™

Quality and Quick
Delivery of Results

Microbiology Lab



BD Diagnostics
11, rue Aristide Bergès BP 4
38800 Le Pont de Claix, France
Phone: (33) 4.76.68.36.36
www.bd.com/diagnostics

Take The Right Decision

BD EpiCenter™



Helping all people
live healthy lives

BD EpiCenter™

A fully integrated, easy to use and scalable information management system designed for the microbiology laboratory, the intensive care and the hygienist.



Full data access and information delivery in real time



... For The Right Decision

- Efficient diagnosis of infectious diseases
- Rapid identification of infected patients with transmissible pathogens to ensure the appropriate infection control measures
- Cross-checking of the patient's antibiotherapy with the tests performed by the laboratory in order to adjust patient treatment when necessary
- Guide in the choice of empirical antibiotic therapy
- Maintenance of internal staff education on infection diseases

The Right Information

- A patient-monitoring system consolidating all tests performed by the microbiology laboratory and their entire lifecycles
- Flexibility in identifying, tracking and reporting resistance mechanisms and transmissible pathogens
- Customisable alerts and personalised interpretative susceptibility rules according to local guidelines
- An accurate dashboard enabling hospital epidemiology to monitor antimicrobial resistance and trends based on real MICs

...The Right Communication Process

- Enhance data access with multiple BD EpiCenter™ workstations within the hospital network with no compromise on information quality
- Create direct communication of "Sentinel events" (MRSA, MDR, etc) utilising existing e-mail system, pda or SMS
- Control and prioritise the delivery of all results (including direct examinations, cultures, alerts ...) to the hospital and infection control departments
- Reduce the time spent from the ordering of the test to availability of results as much as possible (TAT : Turn around Time)* to optimise patient treatment

* The most frequently used indicator of efficiency is turnaround time⁽¹⁾. Moreover, clinical satisfaction with services is often related to the timeliness of test results, because of their effect on treatment, particularly in critical care settings⁽²⁾ (including Gram Stain, full culture results, MDR alert, etc).

(1) Manor PG. Turnaround times in the laboratory: a review of the literature. Clin Lab Sci. 1999;12:85-9
(2) Howanitz JH, Howanitz PJ. Laboratory results: timeliness as a quality attribute and strategy. Am J Clin Pathol 2001;116:311-315

For better monitoring of healthcare associated infection and improved patient treatment and antibiotherapy

