Introducing **MYLA™**

An innovative software solution helping to recapture your time

Managing the operation of today’s microbiology laboratory is becoming more complex. There are several factors that you face on a day-to-day basis that impair your ability to provide quality results in an efficient manner. bioMérieux has been investing heavily in microbiology laboratory informatics in order to further assist laboratory demands for access to information.

We are proud to announce Myla™, an intelligent microbiology middleware solution that is designed by microbiologists for microbiologists. New innovation provided by Myla will change the way laboratory directors, supervisors, and technologists manage microbiology information.

Myla is the name of your new lab partner that provides a revolutionary way of working that will simplify your life. Now you can recapture your time through improved connectivity, workflow and information management. Myla can provide you an actionable, comprehensive picture of your workflow to rapidly impact patient management. This is accomplished through an intuitive dashboard design that puts you in control at all times. Through virtual workstations, Myla helps pilot your workflow for greater efficiency. This efficiency will free up your time to make full use of your expertise.

This solution is designed to fill the information management gaps that exist in current Laboratory Information Systems (LIS). We are not attempting to replace LIS features, but to have a synergistic relationship with your current system. Because Myla is designed to fill the gaps that might exist, it was developed to be adaptable to many working environments. The goal is to provide results to the physician sooner, ultimately making stronger impacts on patient care.
MYLA™ SOFTWARE SOLUTION

MYLA SYSTEM INTERFACE

Myla™ has a unique innovative user interface that minimizes the training that is required for routine operation. It has large, intuitive icons, to minimize eyestrain that makes the system easier to use. The large ergonomic icons also make the application touch screen compatible. The navigation buttons at the very top of the screen remain visible throughout the application. Below the navigation bar is the load and unload section that displays real time user intervention information related to all instruments connected to the application. The bottom section of the screen is a series of “to do” lists for a number of virtual workstations that will be displayed depending on the activities that are needed by the person logged onto the application. In other words, the dashboard screen can easily be configurable for each user.

The Myla base configuration supports a single user, however, a multi-user option is available. The application user interface requires only the use of an internet browser which makes Myla easily accessible from anywhere on your network. This remote access provides a variety of benefits, namely the ability to remotely view alerts. If your microbiology department is not staffed 24/7, the Myla application can be accessed by your core, or Stat laboratory and monitor your blood culture system remotely and in real time. Once a positive blood culture is identified, Myla will provide an instantly recognizable on-screen alert, which should prompt the expeditious removal of the positive bottle from the instrument so the Gram stain can be performed.

![Dashboard Screen](Contagious_BioMérieux_Myl@_Logo)
SYSTEM CONNECTIVITY
Myla™ manages the connectivity of multiple instruments and multiple LIS through a unified interface and monitors the status of the interfaces at all times. Laboratories can connect multiple different instruments and multiple types of instruments into one single LIS connection. The application has also been designed to be an open system for connections to other, non-bioMérieux diagnostic instruments. Users are immediately alerted when disruptions in the interface occurs or when instruments generate error codes (e.g. an error code indicating a temperature alert due to a drawer not completely closed on a BacT/ALER™ instrument). To help maximize instrument up time VILINK™ provides rapid online assistance. VILINK is a direct connection between bioMérieux and Myla, which provides highly secured instrument support and will provide incremental software updates in the future. bioMérieux service engineers can perform remote diagnostics of your instrument to provide the most accurate response in the shortest time. This will help get your instrument up and running quickly.

WORKFLOW
Microbiology laboratories face a variety of challenges in their workflow such as knowing when specimens need to be validated or even if you have accessioned blood culture bottles that have not reached the instrument. Myla will identify situations that delay turn around time and also provide you Quality Indicator reports to help you improve your overall operational efficiency.

REMOTE VITEK® 2 VALIDATION WITH MYLA
Since this application is web based and you have the ability to access anywhere on your intranet, you can access the VITEK 2 remotely to validate patient results. With Myla, multiple users can access the VITEK 2 system computer simultaneously. This capability reduces wasted time to move to and from the VITEK 2 Instrument from the specimen workbench. This also minimizes the delays in reporting results when more than one person needs to access the computer. Through the VITEK Review virtual workstation icon you can directly access any ID/AST result that is pending review. Simply click on the appropriate icon to gain immediate access the list of accessions pending review and click on the desired accession number to access the VITEK 2 software. You can review and print isolate information along with reviewing any AES™ information.
**BLOOD CULTURE PROCESSING**

Myla™ will help you minimize bottle loading delays to optimize incubation time and provide 24-hour remote notification of positive blood cultures. The BacT/ALERT® Blood Culture System monitor on the technologist dashboard shows you: if there are bottles which were accessioned and are still waiting to be placed into the instrument; all bottles currently under test in the instrument and any bottles pending removal from the instrument that are either positive or final negative. Since the prompt removal and Gram staining of positive blood culture bottles has been shown to have positive impact on patient outcomes, laboratories need to remain vigilant in reducing their turn around time between the time that a bottle becomes positive until the bottle is removed and Gram stained. Some laboratories are not staffed with microbiology personnel 24/7. To compensate for this, Myla provides a variety of alerting mechanisms to provide remote notification of positive blood culture bottles. These remote notification mechanisms include standard onscreen alerts, optional notification lights, and the ability to send text or email messages.

**WORKLOAD OPTIMIZATION THROUGH VIRTUAL WORKSTATIONS**

Through the use of virtual workstations in the “to do” section of the technologist dashboard, the technologist can view the current workload, enter Gram stain or offline AST test results and resolve anonymous or orphan bottles for your BacT/ALERT®.

**GRAM STAIN ENTRY**

The Gram stain virtual workstation will allow quick entry of Gram stain results. Since the application is touch screen compatible, result entry of morphology and Gram reaction is completed in one touch or click of the mouse. Specimen comments can be used to annotate communication to the physician or notes for the next technologist working on the specimen. A unique specimen storyboard in the upper portion of the screen provides quick access to data collected in previous specimen steps. Each panel in the storyboard represents a test step performed within the Myla application. For instance, for blood cultures the first panel will represent when the patient demographics came across the interface, the second panel is when the bottle was placed into the instrument. The third would be when the bottle was positive and removed from the instrument, followed by the last panel that would contain the specimen Gram stain information. The intent of this storyboard is to provide immediate access to information that would be useful in decision-making.
MANUAL SUSCEPTIBILITY ENTRY

To help institutions provide cumulative antibiogram results, users can enter all offline susceptibility testing into Myla™. You can create your own MIC, Kirby-Bauer or E-test® offline susceptibility panels. To configure your panel simply select the methodology and list the antibiotics contained within the panel. Users can then select the panel type and enter their results such as zone size or MIC and the interpretation. There is a section for selecting resistance mechanisms results such as Beta-lactamase, ESBL or KPC results. A comment section can help communication with other technologists.

QUALITY INDICATOR MONITORING

Myla tracks quality indicators and provides easy access to workload reports. Myla tracks time to completion for each step in your workflow and allows you to monitor process improvements in your laboratory. Through the user configurable managerial dashboard you can easily monitor the critical activities which are occurring in your microbiology department. The managerial dashboard has three sections. The first section provides virtual workstations for reviewing information such as AST or multi-drug resistant organisms or a quick link to daily log-book and other reports. Another section is dedicated to real-time activity monitoring. This allows you to view aggregate information on instrument load status, reagent consumption, delays in operations and blood culture monitoring. The last section contains a list of pre-defined Epidemiology, Infection Control and Management reports.

ORGANIZATIONAL EFFICIENCY

The manager dashboard provides quick access to viewing various components of your workflow. These data facilitates tracking of Quality Indicators to help managers streamline operations to improve efficiency. Through the use of the software, managers can detect breakdowns in their processes and monitor their progress improvement programs. The blood culture monitoring section allows you look at the total blood culture process. The process focuses on the time to incubation, detection of positive bottles and Gram stain from positive blood culture bottles. Data can be provided as average times or the maximum times. The reports are configurable through the use of filters which may be applied by time period, location, etc.
Myla™ helps resolve time-consuming data collection issues and helps you efficiently prepare reports.

Efficiently Preparing Reports

The quick links on the manager dashboard provide access to Infection Control, antibiotic trending and high level management reports. There are a variety of standard reports that can be further customized by using a variety of filters. You can re-run previous reports without having to change options. Once a report is created, users can specify if the report should be ran weekly, monthly, annually, etc. Common reports such as antibiotic trending, organism occurrence and antibiogram reports are included.

Comprehensive Patient Results

Myla allows you to view consolidated patient results. The specimen storyboard provides quick access to previous culture information for the patient. The susceptibility results from previous cultures can be compared easily. Also provided is easy access to the VITEK® 2 Advanced Expert System® results, real time trending statistics, and context specific web content.

Questions? Comments?
Visit us online at: www.biomerieux-usa.com/connection
An innovative software solution helping to recapture your time...
Register now for a WebEx to learn more about Myla™

Complete the form and fax to 919-620-2615 or visit, www.biomerieux.com/connection

LIS Vendor ___________________________ LIS Application Name or Vendor ___________________________

Do you think that your LIS is optimized for handling all information management needs? □ YES □ NO

(e.g. reporting, data entry, interfacing compatibility, trending statistics, etc.)

Is there administrative pressure for more productive utilization of your resources? □ YES □ NO

Is there pressure to justify current staffing or requests for additional staffing with workload statistics? □ YES □ NO

Is there pressure to improve the level of procedural documentation or accessibility to procedures in your laboratory? □ YES □ NO

Is there pressure to monitor and verify that tests are performed as stated in your laboratory procedures? □ YES □ NO

First Name: ___________________________ Last name: ___________________________

Title: _______________________________ Institution: _______________________________

Phone: ______________________________ Fax: _______________________________

Email: _______________________________

Address: ______________________________

City: _______________________________ State: _____________ Zip: _______________________________