MEDITECH delivers integrated care which includes our Laboratory solution as part of our full Expanse Laboratory Information System (LIS) and EHR. MEDITECH's Laboratory solution utilizes roles-based desktops and user-defined worklists to enable laboratory personnel to efficiently and effectively perform their daily activities, while ensuring safe, quality care for their patients. Our Laboratory solution streamlines workflow from ordering through final reporting, including the ability to efficiently process patient orders, perform bedside sample collection, process specimens automatically and/or manually, flag abnormal test results, efficiently perform quality control, and seamlessly access current and historical patient results.

**Seamlessly Integrated Enterprise-Wide Ordering**

Using the fully integrated web-based physician solutions in MEDITECH Expanse, clinical staff can seamlessly place inpatient and ambulatory orders via from physicians' offices, off-site clinics, inpatient floors and emergency rooms. With Expanse, these orders then flow directly to your Laboratory without the need for interfaces. Fully integrated Medical Necessity checking may also be performed onsite at your physician practices with the use of our integrated Ambulatory functionality. Expanse can also provide protocol driven, criteria-based order checking.

**Efficient Web-Based Specimen Collection**

To collect specimens once an order has been placed, MEDITECH's web-based Integrated Phlebotomy Solution enables you to:

- Utilize bedside handheld scanning devices.
- Perform bedside patient verification.
- Print labels at the patient’s bedside.
- Receive real-time, up to the minute order and specimen collection updates.
- Capture up to the minute specimen collection times.
- Mark samples for re-collection.

**Analyzer Processing**

Laboratory analyzer integration features:

- Seamless interfacing to thousands of laboratory instruments.
- Result autoverification.
- Embedded analyzer QC processing.
- Point of care testing.
**Result Processing**

MEDITECH provides you with flexible, user-based specimen desktops, dynamic process screen and workbatch capabilities which drive Laboratory protocols, and streamline workflow by utilizing push technology to automatically bring user workflows directly to their desktop. Result Processing capabilities in our Laboratory solution enable you to:

- Incorporate user-specific dashboards to compile specimen workflow based on user criteria.
- Perform multiple functions on multiple specimens from a single desktop.
- Easily compile ad-hoc specimen searches directly onto your dashboards.
- Review, result, edit, and report on Laboratory results directly from your specimen desktop.
- Incorporate online cell counters and user specific entry screens.
- Batch process preselected tests via online worksheet functionality.
- Seamlessly track outstanding and overdue specimens via online specimen trackers.
- Capture workload automatically.

**Results Reporting**

MEDITECH’s Laboratory solution also includes a wide range of tools to ensure that results are made available to the appropriate clinicians as soon as they become available, which include:

- Full integration with Physician Care Manager, Emergency Department Management, and Ambulatory, including critical result notification.
- Comprehensive Summary & Specimen Reports.
- Auto-faxing (Forward Advantage).
- Result Interfacing (Forward Advantage).
- Secure text messaging (Forward Advantage).

**Quality Control**

The Quality Control (QC) feature allows personnel to monitor the accuracy of test results in the laboratory as well as provide you with the tools necessary to meet state and regulatory requirements. MEDITECH’s Laboratory Quality Control functionality enables you to:

- Define QC standards and controls.
- Order and result QC specimens manually or via analyzer.
- Perform robust QC and Analysis with reports including:
  - Levy-Jennings Plot with Data Summary.
  - Youden Graph.
  - Daily QC Log.
  - Multi-rule Log for Controls.
  - Cumulative Summary Reports.
  - Exception QC Results Report.
  - QC Summary Report.
  - QC Data Review.

**Powerful and Effective Rules-based Logic**

Rules-based logic capabilities can be applied in all areas of the laboratory. Laboratory personnel can define evaluation criteria, which help technologists ensure that patients receive safe, quality care, drive enterprise and regulatory protocols, and optimize reimbursements. Rule capabilities include:

- Order rules.
- Site rules.
● Result calculations.
● Charge rules.
● Purge rules.
● Test table criteria.
● Reflex testing.

**Comprehensive Management Reporting**

MEDITECH’s Laboratory solution also provides a series of flexible management reports which enable laboratories to capture information easily and efficiently. These reports, which are available throughout our LIS, can be easily generated and scheduled to automatically print at chosen times. Standard management reports available in our LIS include:

- Edited Verified Results Report.
- Outstanding Specimen/Test Report.
- Result Activity Report.
- Specimen Log/Marker/Review Report.
- Exception Report.
- Unverified Specimen Report.

**Realize the Benefits of Integration**

Our Laboratory solution is a fully integrated component of our full Laboratory Information System (LIS) and enterprise-wide Expanse EHR, which provides significant advantages over interfacing to third-party Laboratory solutions. Integration benefits include the ability to:

- Seamlessly exchange orders and results with physicians in the practice, acute, and ED environments through integration with our Ambulatory, Physician Care Manager, and Emergency Department Management solutions, providing physicians with a complete view of patient data.
- Provide patients with access to their Lab results online via MEDITECH’s Patient and Consumer Health Portal.
- Deliver automatic clinical alerts to provider desktops and status boards based on critical or abnormal lab values.
- Register patients from within your MEDITECH LIS.
- Perform Medical Necessity checking directly within your MEDITECH LIS.
- View Laboratory results via the integrated Electronic Health Record as well as on clinician status boards and trackers.
- View relevant MEDITECH Pharmacy data and medication details from within your MEDITECH Laboratory solution and access Laboratory data from within MEDITECH’s Pharmacy.

For more information, contact a MEDITECH Marketing Consultant.