Point-of-care testing (POCT) is an essential part of patient-centered care, yet the true value of the rapid turnaround time that makes POCT so beneficial is only achieved when those results are captured real-time in the EHR. Orchard Trellis POCT solutions provide immediate and convenient electronic access to your POCT results to eliminate transcription errors, allow providers to make faster clinical decisions, include POCT results in analytics, and promote patient satisfaction.

**Today's Role of POCT in Healthcare Requires POCT Management & Integration Software**

Trellis offers POCT management and integration tools to address the complexities and diversity of POCT situations and ease the workload for POC coordinators. In addition to capturing results in real-time in your EHR, Trellis can track training and competency assessments for a multitude of operators, devices, and locations to help ensure quality of testing and meet inspection requirements.

**Trellis Manages POCT Across Diverse Testing Networks**

Trellis can handle the various POCT connectivity and management needs of different healthcare facilities. Trellis supports remote handling of POCT QC, automates billing, and provides a full menu of reports. Depending on your POCT devices, Orchard offers options for users to access the POCT software alongside the test device, or the device can be "docked" to directly load results into the LIS and EHR.

Trellis offers multiple deployment options and uses the Orchard Device Engine (ODE) to support cloud connectivity between lab instrumentation and the LIS application.
Ease the Task of Personnel Management & User Certification Tracking

Training and certification dates for all testing personnel are tracked within the software. Users can be emailed prior to the expiration of their certification at a user-defined interval. In the expiration notification email, add customized text to provide further instructions. For example, “Your [POCT device name] certification will expire in two weeks. Please access the re-certification module in the Learning Management System.” Bulk changes (e.g., recertify all staff selected for a specific date) are easy to make in the Manage Personnel Certifications table, and updated expiration dates auto-calculate, making it easy for you to stay on top of upcoming certification due dates. In addition, certification icons make it easy to see which POCT operators need certification, and you can associate personnel with specific devices and locations, as well as configure filters to make it easier to view the information you need (e.g., expired, expiring, certification dates, etc.). There is also an option to track operator certifications for manual POCT.

Efficiently Track All Your POCT Devices

Eliminate traditional lists of POCT devices and allow Trellis to document your POCT devices. Assign sequence ID numbers to all your POCT devices for easy device tracking. For a current list of available Trellis POCT instrument interfaces, visit www.orchardsoft.com/interfaces-integration/, or request interfacing to a new device.

The POCT management and integration software makes it easy to track when POCT operators are due for certification, and can auto-generate reminders for end users.
POCT Status at a Glance with the Trellis Dashboard

The Trellis dashboard keeps you informed about instrument and interface statuses, user certifications, QC statistics, and patient result statuses at a glance. Users may configure the dashboard to refresh at a preferred time interval. Additionally, interfaces can be restarted and handheld devices can be updated via the network, making access for these tasks simple.
### Device Engines

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<td><strong>Total ODE's</strong></td>
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### Certification Status

- **Expired**: 18
- **Expiring Soon**: 4
- **Certified**: 20
- **Total Active**: 42
- **Inactive**: 0

### Quality Control

- **Failed**: 20
- **Passed**: 224
- **Total QC Volume**: 244

### Transmission Errors

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Carefully Review & Map Your POCT Deployment Requirements

As you consider how to deploy and administer your POCT, ask these questions:

- What types and how many POC tests does your facility use?
- What POCT analyzers are you using?
- Who are the POCT operators?
- Who oversees your POCT and tracks personnel certifications?
- How are your POC tests ordered (CPOE, unsolicited order entry, mixed)?
- In how many sites does your facility perform POCT?

All these questions and more will need to be answered to determine the best POCT management and integration solution for you. Orchard is here to guide you and to provide the best solution for your facility.

Automate Security Features

Make sure only users who are up to date on their certification are allowed to use specific POCT devices or perform specific tests for which they have been approved. Trellis can automatically send this data to the POCT device should the device be capable of locking out non-certified personnel. Users can scan their ID badge to log in, and the software change log tracks all users as they access the system. Personnel can be designated to differentiate between those who need access to the software and those who will only be accessing the POCT device.

Order Entry for POCT

While the majority of your POCT orders may route into Trellis via computerized provider order entry (CPOE) in your EHR, when you have unsolicited POCT orders, users may also place orders directly in Trellis. Completed results transmit to Trellis, where they are ready for review and release directly into the EHR. Trellis can also receive unsolicited results from a handheld device and create an order choice based on the patient ID. Trellis supports standard bar code label printing, allowing for positive sample ID at the POCT location and reducing errors associated with non-standardized bar code label formats.

Make Your POCT QC Inspection-ready

Historically, QC for POCT has been paper-based and sporadically documented; Trellis allows you to ensure compliance to all POCT QC requirements. QC can be ordered in Trellis by the user or set up to auto-order at the desired frequency. QC rules can prevent the release of patient results without acceptable QC, making your POCT QC inspection-ready. By achieving control of POCT QC, Trellis enhances the effectiveness of your laboratory to give you an added advantage, enriching the superior service you deliver to your providers and patients.
Rules Functionality Enhances Lab Performance
Trellis functionality includes the ability to configure order entry rules, such as test routing or alerts for duplicate tests, as well as result evaluation rules to hold results that do not meet your pre-specified criteria, further improving the turnaround time of POCT results. Additionally, Trellis can be configured to display instrument flags on the Trellis workstation.

Conveniently Graph Linearity & Calibration Verification Values
Document and create inspection-ready linear regression graphs of your instruments’ initial linearity study or calibration verifications, depicting slope, y-intercept, and coefficient of variation. In the linearity graph, users can set up levels, number of runs, and omit outliers as needed. Intuitive filters are available to ease tracking of numerous linearity graphs.

Cost Savings & Benefits
With the electronic connectivity offered by Trellis, organizations will see increased staff productivity and have more confidence in billing capture and test results. Efficiency and cost savings are derived from the reduction of time spent manually entering patient results, and the elimination of clerical errors ensures greater accuracy.

Improved Patient Care
Because results are transmitted electronically into the EHR in real time, providers have prompt access to the POCT results for speedier diagnosis and treatment of the patient. Additionally, POCT results can be incorporated into analytics needed for risk stratification and population health management.

Maximize the Value of Your POCT
Integrated POCT results, for the right tests in the right situations, can improve consistency, accuracy, patient engagement, patient satisfaction, and ultimately patient outcomes. Busy labs that are expanding their clinical effectiveness can benefit from proper placement of POCT, but also need effective software to manage the diversity of POCT situations. Orchard understands the complexities and challenges associated with POCT and is offering a configurable POCT management and integration solution to meet your specific POCT scenario. This can include working with your existing LIS, managing bedside testing, or managing near-patient testing in a clinic setting.

Read More About the Increasing Value of POCT
The fast-growing POCT market, increased value of POCT, and renewed importance of POCT connectivity are resultant of a shifting healthcare paradigm focused on patient-centered care. If you are interested in learning more about how POCT can enhance the value of your laboratory’s contribution via improvements in patient care and downstream cost savings, download Orchard’s informative white paper, Laboratory Point-of-Care Testing: A Future Outlook at www.orchardsoft.com/whitepapers.
From the seeds sown in our first installation in 1993, Orchard Software continues to grow and develop a comprehensive suite of lab information system solutions that empower the lab. Simply said, we are the best, and that is why laboratories of all shapes and sizes are harvesting the power of Orchard.