Flexibility & Ease of Navigation
Orchard Pathology uses a common database that can be utilized as a stand-alone AP system or a single system that includes pathology, clinical, and molecular. Orchard’s systems offer a high level of flexibility and configurability, and are designed for easy navigation and tracking through all testing phases.

Analyzer & Systems Integration
Careful programming and a team of interface specialists make Orchard Software the clear choice for “best-of-breed” integrated systems. Orchard specializes in seamless integration, making host system, EHR/HIS, HIE, billing, analyzer, and reference laboratory interfaces standard. For transcription purposes, Orchard’s pathology systems integrate easily with voice recognition software.

Integration Eliminates Errors & Improves Patient Care
Implementing interfaces between systems provides an automatic and seamless flow of data. Orchard’s host interfaces readily support Computerized Provider Order Entry (CPOE) of pathology testing, helping you improve patient care by reducing errors, saving time, and speeding up results delivery. Orchard’s systems compile results from cytology, surgical pathology, autopsy, molecular, and reference laboratories into a single, electronic patient report, eliminating paper storage and simplifying access to historical data.

Advanced System Security
Orchard’s systems’ security features include the use of Lightweight Directory Access Protocol (LDAP) Authentication, extensive flexible password security options, and detailed role-based security setup options that allow for configurability of security settings by the user. Additionally, all user actions are tracked to ensure appropriate systems and data access, including a complete audit trail of database changes.

Tools for Pathology
Unlike legacy-based anatomic pathology systems developed prior to advanced integration and data mining needs, Orchard Pathology was designed to accommodate the comprehensive pathology laboratory and the future trends in diagnostics.

Orchard® Pathology is a complete diagnostic information system where clinical and anatomic data share the same database and where pathology data is stored in discrete data fields to simplify synoptic reporting, data mining, and analytics. Users are able to eliminate the manual system of audit trails and paper files, thereby improving efficiency and enabling pathology laboratories to more easily meet quality metrics and patient-safety goals.
Streamline Pre-analytic Processes

Orchard’s broad and diverse customer base has made its lab systems the leader in flexible, rules-based, decision-making technology that can help streamline your order process. Orchard’s decision-support technology improves workflow efficiency and error-proofing by offering advanced configurable rules that automate scenarios for order entry, order routing, or reflex testing (e.g., Pap smears with HPV testing).

Simplify Order Routing

Order entry can involve multiple locations for ordering, collecting, and processing. To successfully route orders to the correct testing lab, you need careful management of insurance plans and contracted laboratory testing. For orders requiring multiple testing locations, Orchard’s systems split the order and print specific labels, requisitions, and/or manifests automatically, based on the routing specifications. Rules trigger alerts before the order is saved, eliminating the potential for errors.

Robust Pathology Rules

Robust rules-based decision-making power is available throughout Orchard Pathology and can be configured to meet individual preferences and workflows. For example, you can automatically reflex-order send-out tests, correlations, quality assurance protocols, and confirmatory testing according to verbiage in the report text.

Pathologist Workload Balancing

If desired, users may automatically and evenly assign cases to pathologists. Orchard Pathology reviews the case load and auto-assigns the case to the pathologist with the fewest cases. Specific pathologists can be chosen for this feature or it can apply to all pathologists.
Workflow & Case Management
From order entry to result delivery, through accessioning, quality assurance, and sample storage, you can configure every detail of the process to your laboratory’s specific needs. Orchard Pathology simplifies case management and produces discrete data to enable synoptic reporting by employing a worksheet window that you can configure for use with your established templates or protocols.

Enhance Patient Safety
Orchard’s pathology systems interface to cassette and slide printers, allowing users to enhance their patient safety efforts by allowing bar code labels on specimens and slides to ensure proper sample identification. Instrument interfaces for molecular or immunohistochemistry (IHC) are also available.

Specimen Tracking Throughout Workflow
To easily track the status of pending specimens, set up various visual enhancements to display the category of each incomplete case. Color-coded statuses that indicate a specimen’s current station enable you to easily monitor the progress of specimen analysis, such as grossing, IHC, or awaiting pathologist review. Block/Slide Verification and Bar Code Compare provide positive case material identification to support patient safety and goal-oriented workflow processes. Prevent errors and verify case materials through each defined workflow status. Patient files contain a sample-storage history button that displays the complete history, from creation through each transfer to disposal. The specimen-tracking feature organizes and tracks the storage of laboratory samples and specimens to facilitate quicker, easier retrieval.

Simplified Case Management Produces Discrete Data
The case worksheet is very flexible, allowing you to add typed transcriptions; use templates, drop-down menus, and text shortcuts; or insert text generated by voice recognition software. Orchard’s embedded, coded diagnosis table provides comprehensive, standardized diagnostic vocabulary and auto-navigation to appropriate results. Coded diagnosis tables use structured, interrelated data files to facilitate the exchange and pooling of results and to optimize clinical care.

Historic Patient Information, Comments, & Flags Enhance Workflow
Filters can be set up to notify users of the presence of significant, concurrent, and/or historical cases. By allowing the pathologist to configure which cases are significant for correlation, Orchard Pathology can alert users to the presence of those cases. For example, when a cervical biopsy is ordered, the historical alert will notify the pathologist that a Pap smear was ordered within a specified date range. This configurable alert brings relevant data promptly to the pathologist’s attention.

Comprehensive patient reports are available that include results from multiple disciplines (e.g., clinical, cytology, surgical, flow, FISH, etc.) on one report, aiding in quicker time to diagnosis.
Multiple Disciplines on a Single Patient Report

Comprehensive patient reports are available that include results from multiple lab areas (e.g., clinical, cytology, surgical, molecular, etc.) on a single report to allow for a more complete assessment of patient status.

Easy Pathologist Review for CPT Codes

In Orchard’s pathology system setup, CPT codes are built into sample types. As testing is updated to include any additional tests or stains, the corresponding CPT codes are automatically included for quick pathologist review prior to approval.

Automate Critical Calculations

Orchard Pathology has the ability to automatically calculate cold ischemia, formalin fixation times, and frozen section turnaround times. Having these formulas at your fingertips and auto-calculated for each specimen is a feature that pathology groups appreciate because it improves quality outcomes.

Scanned Documents & Image Support

The automated document linking interface simplifies the process of manually linking documents, such as requisitions, consultative reports, and insurance cards, to patients or orders. Once scanned, the image automatically links to the patient or order, readily available when needed.

Sophisticated, Configurable Report Options

Having a single database enables users to integrate clinical, molecular, and pathology, creating all-inclusive, comprehensive patient reports. Advanced, configurable reporting options are available in Orchard’s systems, including the ability to create specific report formats by specimen type and to annotate images within the patient report.
Automate Result Delivery to Provider Preferences
Orchard’s configurable result delivery options allow recipients to receive results in the modality they desire. Reports can be printed, faxed, emailed, web-delivered, or sent to a host system to meet providers’ individual needs, allowing you to communicate results in a timely and sophisticated manner.

Orchard Web AP Module Provides Remote Access
Orchard Pathology offers an add-on module, Orchard Web AP. This module provides an interactive web extension, allowing providers, pathologists, and other staff to edit, add, review, and sign out cases from any remote location with Internet access.

Data Analytics & Quality Assurance
Orchard’s systems store data in a structured format, that enables superior data mining capabilities to support your laboratory’s quality assurance and patient-safety efforts. Every data field is mineable and retrievable, and creating reports does not require support from your IT department.

Complex Reports Without Complicated Programming
Having all the data compiled in the LIS in a structured format allows the lab to have its own report-writing tool, eliminating the need for separate data mining programs (e.g., Crystal Reports) or additional IT support to develop lab reports. Using the data mining tools, you determine search criteria and view results that match those criteria, compiling data from a multitude of different fields. Report data may be exported into Excel, or scheduled to print, fax, or email at the desired time.

The structured data format inherent in Orchard’s systems supports advanced data mining to create a multitude of analytic reports that can aid future business decisions in the laboratory.
Closely Monitor TAT & Overdue Specimens
Monitor the status of the testing process in your lab minute by minute. Orchard’s data mining tools allow you to be informed of where each specimen is in the testing process, and to keep a close watch on turnaround times or overdue specimens. Orchard’s systems use statuses and data browsers to track the life of the specimen for quality metrics and to enhance patient safety.

Measure Laboratory Performance: Quality Assurance
Orchard’s systems can produce reports to analyze historical data; for example, tracking specific diagnoses or abnormal test results to manage disease populations. Browser data enables users to generate statistics that can be analyzed to provide general insights for your Quality Assurance program.

Pre-set & Customized Administrative Reports Available
Orchard’s systems offer an ever-expanding number of pre-set report formats available for laboratory documentation and tracking. Additionally, you can use Orchard’s data mining tools to write detailed queries and save criteria for recurring reports. For example, use the Result Browser to monitor a histotech or pathology assistant’s productivity on a daily, weekly, or monthly basis, or quickly view the volume of specimens, blocks, slides, or special stains you test at your laboratory.

Set Reports to Auto-deliver
Once created, reports can be set to auto-deliver to a desired location on your specified time frame (e.g., weekly, monthly, etc.), making report delivery seamless and automatic.

To support the specific needs of your pathology lab, one of the most valuable reports is the overdue specimen report, which can be configured to update on a real-time basis, and is color-coded by specific time increments to track completion of specimens.

View examples of Orchard’s administrative reports at www.orchardsoft.com/AdminReports
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.