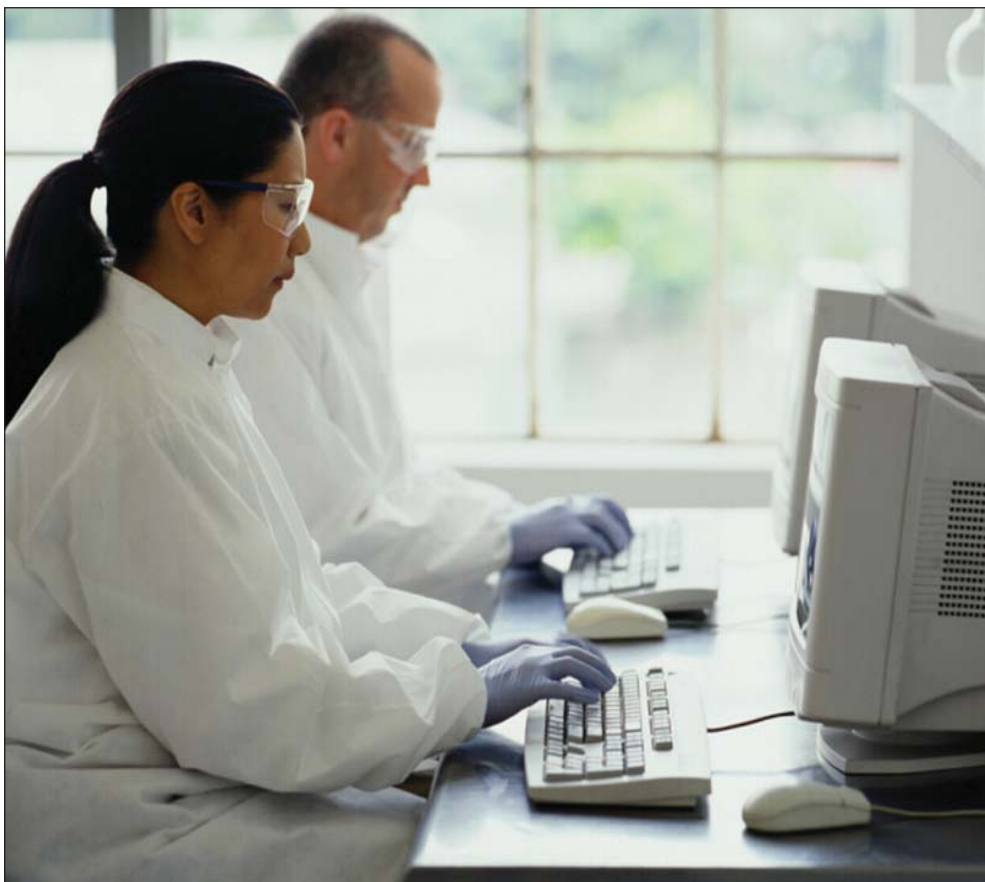


Specimen Management

is a powerful combination of features that take **middleware** to new levels. Whether using Specimen Management for auto-verification, clustering, or as a “down-time” system for an LIS, users are sure to be impressed by its reliability, flexibility and performance.

A Powerful Combination of Features...

- Create user-defined rules to perform delta checking, auto-verification, exception printing, and more.
- Customize workspace by user-defined criteria.
- Hold specific tests for manual down load by instrument.
- Edit and release results by specimen or by individual tests within a specimen.
- Clustering enables users to group any type of instrument together so that each test is available across multiple instruments but is only run on one instrument.



- Look up tests, results and patient information.
- Chronological log, by specimen, of interfacing and routing events and location.
- Enter orders that can include patient, test and specimen information.
- Create specimen IDs based on a user-defined algorithm or use pre-defined specimen ID numbers.
- Print specimen reports in a user-defined format by either specimen ID across all instruments or by instrument connection.

Fast Facts: Specimen Management...

- Rules Processing
- Patient and Order Management
- Rapid Order Entry
- SM Workspace
- Report Designer
- Audit Trail Report



Data Innovations offers the most comprehensive Middleware system in the market to manage laboratory operations, including pre-analytical, analytical, and post-analytical sample processing and non clinical tasks such as equipment maintenance and specimen archiving. Instrument Manager™ (IM), the Gold Standard in Middleware, is available independent of instrument or LIS vendor, laboratory department, and clinical discipline.

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Data Elements

- Admitting Physician
- Age in Days
- Age in Months
- Age in Years
- Always
- Any Patient Comment
- Any Specimen Comment
- Any Test Comment
- Any Test Error Flag
- Any Test Error Flag Display Name
- Any Test Interpreted Result
- Any Test Is Rerun
- Any Test QC Rule Violated
- Any Test Result
- Any Test Validated
- Attending Physician
- Available Error Flags
- Available Specimen Fluids
- Component Delimiter
- Current Date Time
- Days Old
- Destination Exclusion List
- Instrument ID
- Julian Date
- Next Specimen ID
- Notifier Event Triggered
- Operator ID
- Ordering Physician
- Patient Account Number
- Patient Admission Date
- Patient Comment
- Patient ID
- Patient Location Bed
- Patient Location Facility
- Patient Location Room
- Patient Location Ward
- Patient MRN
- Patient Name
- Patient Race
- Patient SSN
- Patient Status
- QC Failed
- Referring Physician
- Request ID
- Run Count
- Sex
- Specimen Accession Area
- Specimen Action
- Specimen Collection Date Time
- Specimen Collection End Date Time
- Specimen Comment
- Specimen Dilution
- Specimen Error Flags
- Specimen Fluid Type
- Specimen ID
- Specimen Position
- Specimen Priority
- Specimen Rack
- Specimen Sequence Number
- Specimen Status
- Specimen Type
- Test Bottle ID of
- Test Bottle Type of
- Test Comment of
- Test Date Time Observation of
- Test Dilution of
- Test Error Flags Display Name of
- Test Error Flags of
- Test Instrument ID of
- Test Interpreted Result of
- Test Is Rerun
- Test Lot Number of
- Test Ordered
- Test Previous Dilution of
- Test Previous Error Flag of
- Test Previous Result Date Time of
- Test Previous Result of
- Test QC Rule Violated of
- Test Reference Range of
- Test Result of
- Test Result Status of
- Test Resulted
- Test Units of
- Test Validation of
- That Test Comment
- That Test Error Flag
- That Test Error Flag Display Name
- That Test Interpreted Result
- That Test Previous Dilution
- That Test Previous Error Flag
- That Test QC Rule Violated
- That Test Result
- User Input Value

Operators

- | | | | |
|-----|-----|------------------------|----------------------|
| ● - | ● ^ | ● AND | ● Is Numeric |
| ● (| ● + | ● Concatenated With | ● Length of |
| ●) | ● < | ● Contains | ● Matches Pattern of |
| ● * | ● = | ● Extract Component of | ● NOT |
| ● / | ● > | ● Extract Section of | ● OR |

Actions

- | | |
|---------------------------------------|---|
| ● Add Patient Comment | ● Set Specimen Error Flags |
| ● Add Notifier Event Text of | ● Set Specimen Fluid Type |
| ● Add Specimen Comment | ● Set Specimen ID |
| ● Add Test | ● Set Specimen Priority |
| ● Add Test Comment of | ● Set Specimen Status |
| ● Add Test Error Flag Display Name of | ● Set Specimen Type |
| ● Add Test Error Flag of | ● Set Test Bottle ID of |
| ● Cancel Test | ● Set Test Bottle Type of |
| ● Clear Destination Exclusion List | ● Set Test Comment of |
| ● Clear Notifier Event Queue | ● Set Test Dilution of |
| ● Hold all Tests for Verification | ● Set Test Error Flag Display Name of |
| ● Hold Test for Verification | ● Set Test Error Flag of |
| ● Hold That Test for Verification | ● Set Test Instrument ID of |
| ● Mark This Connection Out of Service | ● Set Test Interpreted Result of |
| ● Order Test | ● Set Test Previous Dilution of |
| ● Order That Test | ● Set Test Reference Range of |
| ● Rerun Test | ● Set Test Result of |
| ● Rerun That Test | ● Set Test Status of |
| ● Round Test Result of | ● Set Test Units of |
| ● Set Destination Connection | ● Set That Test Comment |
| ● Set Destination Exclusion List | ● Set That Test Error Flag |
| ● Set Instrument ID | ● Set That Test Error Flag Display Name |
| ● Set Notifier Event Text of | ● Set That Test Interpreted Result |
| ● Set Operator ID | ● Set That Test Previous Dilution |
| ● Set Patient Comment | ● Set That Test Error Flag |
| ● Set Patient ID | ● Set That Test Reference Range |
| ● Set Patient Location Bed | ● Set That Test Result |
| ● Set Patient Location Facility | ● Set That Test Status |
| ● Set Patient Location Room | ● Start Holding all Tests for Verification |
| ● Set Patient Location Ward | ● Start Holding Test for Verification |
| ● Set Patient MRN | ● Start Holding That Test for Verification |
| ● Set Patient Name | ● Start Holding That Test with
That Instrument ID for Verification |
| ● Set Patient Race | ● Stop Processing Rules |
| ● Set Patient SSN | ● Suppress Request |
| ● Set Patient Status | ● Suppress Test |
| ● Set QC Rule Violation for | ● Suppress That Test |
| ● Set Request ID | ● Trigger Notifier Event |
| ● Set Run Count | ● Validate Test of |
| ● Set Specimen Comment | ● Validate that Test |
| ● Set Specimen Dilution | |

SM Workspace... enables users to review results quicker, more easily and with greater confidence.

User Customization... provides lab personnel the ability to easily create and save personalized workspaces by choosing different panes, filters, and display options from familiar Windows-based toolbars. Screen layout and formatting, including pane position and font, are all customizable.

Convenient Tools

to Manage Data... have been enhanced, providing users a comprehensive screen to review their results. Customized color schemes are used in SM Workspace to visually alert users to specific data. One click

of a mouse gives users access to actions such as rerun and reflex ordering, releasing or rejecting results, and manually downloading tests. Audit Trail, Specimen Event Log, and Specimen Tracking are all available from the SM Workspace screen.

Single-Screen Data Management ... has been extended and users can now choose data to display from all that is stored in the system, including patient demographics, specimen and test information, previous results, and images. Data received from multiple connections can be viewed on a single screen to allow for a complete review of patient data. Data contained within the Specimen and Test worksheets is searchable by any data element included.

Additional Specimen Management Features...

Rapid Order Entry... allows labs to define the minimum data elements required to process an order in the event of LIS downtime. Users can rapidly enter that data using only a keyboard.

Report Designer... offers the ability to print bar code labels and specimen reports in a user-defined format. Users can specify the size and shape of the report or label, the data elements to include and the printer to be used.

Patient and Order Management... is an “all in one”, easy-to-read screen that puts patient, specimen, and test information at the user’s fingertips.

Audit Trail Report... logs all data changes made automatically by rules or manually by users. Audit trail displays the original data, the changed data, what rules were used, the time and date, and the user ID.