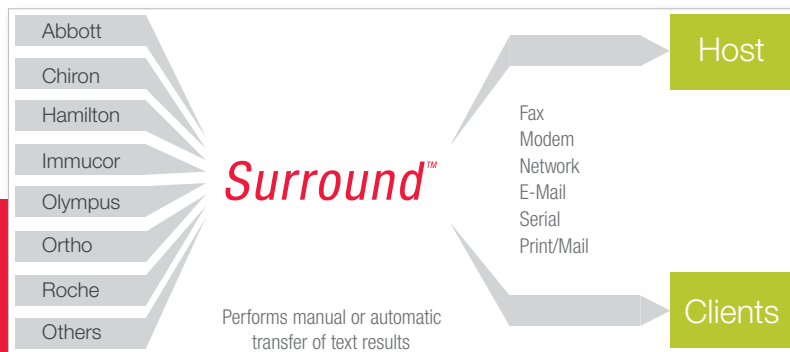


Surround™

Collecting test results



Surround™ receives laboratory test results, associates these results with the appropriate client, and determines when the results are ready for automatic or manual transfer to the client

SOFTWARE SOLUTIONS

Surround™ is a flexible laboratory system that collects test results from multiple sources and determines test interpretations based on configurable decision-making. The system collates the data based on client requirements and has multiple transfer options to meet client needs. Surround provides the ability to review the status of active testing. The Surround system database uses Oracle®, a relational database management system, which has been proven to be highly scalable and reliable in many mission-critical applications.

Surround has the capability to receive test results (including NAT results) from multiple testing locations. Surround can be configured to support optional testing and it allows for multiple reporting methods, including automatic email and faxing of testing results.

To support traceability and tracking, Surround has been designed to meet 21 CFR Part 11 requirements.¹ The Test of Record Parser function has been enhanced to allow for rapid instrument integration. Additionally, Surround's NAT pooling interface can automatically convert pool results into individual results.

The flexibility of Surround allows easy adaptability to the industry's ever changing needs and requirements. With Surround, we have created the best solution for your laboratory's needs today – and a solution that will adapt to future needs.

¹ Data on file at Haemonetics [MK0102362]

Surround modules

- Laboratory Communication – used to retrieve test results from one or more laboratory instruments and determine when a sample ID is ready to be released.
- Automated Test Transfer – used for automatic transfer of test results via the transfer method configured for each client. Six transfer methods are available: fax, modem, network, email, serial, and print/mail.
- Batch Viewer – used to view detailed test batch information retrieved from laboratory testing, perform QA release, and generate worksheets.
- Billing – used to view the number of sample IDs whose final results have been transferred to the client. Billing information can be viewed, printed, and transferred to a host system using standard File Transfer Protocol (FTP).
- Manual Entry – used to enter or change test results and to delete sample records that were entered incorrectly. A sample's status can also be reset via Single Entry.
- Retest Management – used to verify that a sample requires retesting in duplicate.
- Client Management – used to maintain up-to-date client records and to define each client's test panel, transfer method, transfer configuration, and prefix. (The prefix of each sample ID identifies the client it belongs to.)
- Current Samples – used to view the current sample ID status and batch information for active clients either by client or rack.
- Manual Send – used to manually transfer (and retransfer) test results to a client.
- Plate Map Creation – used to create, modify and delete sample plate maps. Also used to create worksheets.
- Preaccessioning – used to create sample work orders that are then added to sample shipments. Test panel and collection date defined in preaccessioning are automatically assigned to samples during manual accessioning.
- Sample Accessioning – used to create sample records on the system with associated test panels, either by sample or by rack.
- Sample Viewer – used to view detailed information about sample IDs and pooled sample IDs registered through sample accessioning and through batch transfer from laboratory testing. This application is also used to add and remove holds from sample IDs.
- Session – used to log into Surround, change passwords, access functions and log out.
- User Administration – used to maintain system security and update user information.
- User/Client Administration – used to restrict user view to specific client information

RxOnly

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