

SoftBiochemistry®



SoftBiochemistry—part of SCC's Genetics Information Systems Suite—provides robust functionality for all biochemical testing, including test and order workflow organization, data and image transfer for reporting, and flexible report templates. These features provide the tools for efficient and cost-effective laboratory management while coordinating data from millions of sample runs in a Web-based, enterprise-wide network.

SoftBiochemistry is designed to organize and process many forms of data into clear, customized reports that are transmittable and interoperable with many enterprise-level information systems. Offering management and information solutions that are designed to meet the challenges of dynamic reference lab and hospital environments—whether single or multisite—the SoftBiochemistry system is based on user-definable workflows, providing adaptability and versatility.

Unique timesaving features directly address the need to reduce transcriptional and data entry errors, increase productivity and communication, and enhance the timeliness and quality of patient care. To improve efficiency, users can add additional rules to those already in the database—including rules on actions, ordering, billing, assigning orders, and signing out orders.

Full integration with clinical laboratory systems provides a seamless flow of information throughout the enterprise—a key ingredient to improving patient outcomes. SoftBiochemistry easily integrates with existing HIS and LIS systems, as well as a variety of client service and accounting information systems.

FEATURES AND BENEFITS

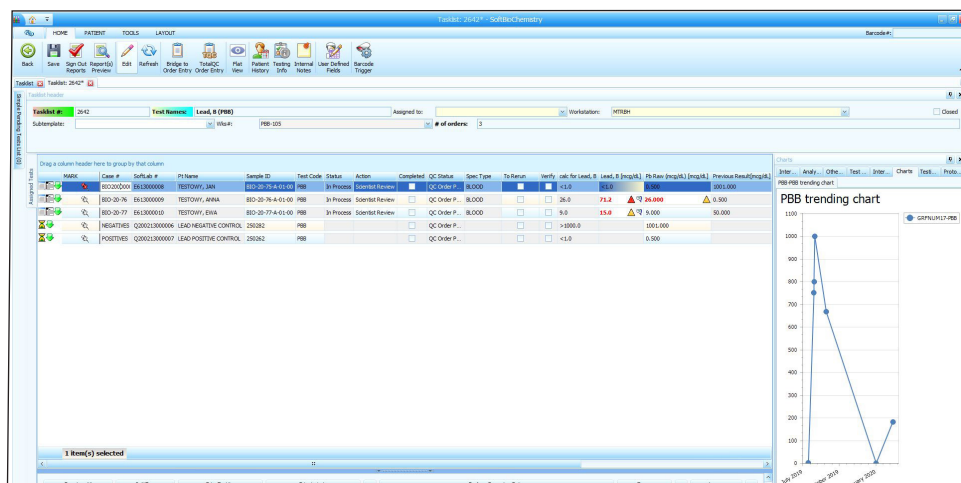
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| Feature: | Extensive instrument integration via SCC's SoftDMI® middleware |
| Benefit: | This enables laboratories to be more automated, thus decreasing test turnaround times. |
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| Feature: | Batch reporting of test results through auto verification, defined rules-based structure, and implemented logic |
| Benefit: | This enables users to create flexible resulting rules around individual tests, which supports and enables confident decisions. |
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| Feature: | Real-time quality control / SoftTotalQC® integration |
| Benefit: | This enables users to run control samples simultaneously with patient samples in real-time within a single workstation while documenting and monitoring control results. |
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| Feature: | Easy-to-configure testing protocols and customizable worksheets |
| Benefit: | This directs users through workflows and streamlines lab processes and procedures. |
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| Feature: | Creation of complex calculations in result fields |
| Benefit: | This assists users with data manipulation for greater accuracy and efficiency. |
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| Feature: | Functionality including canned messages, bar coding, patient comments, and quality control, as well as other time saving and automated features |
| Benefit: | These features enable users to increase their facility's workflow and reduce bottlenecks. |
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| Feature: | Auto reflex testing across technologies based on client-defined rules |
| Benefit: | This eliminates errors inherent in manual reflex ordering and reduces turnaround time of reflex tests. |
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| Feature: | Client-defined result ranges per test and patient information |
| Benefit: | This provides accurate test result analysis based on specific parameters. |
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| Feature: | Choice of reportable result ranges and configurable result tables on reports |
| Benefit: | This provides more meaningful and easy-to-read reports for delivery, review, and reference. |

SAMPLE SCREENSHOTS

Tasklist

Enables users to result orders as a batch—automatically or manually—and aids in verification of results received from SCC's SoftDMI® middleware or entered by a technologist.

The tasklist has full integration with SCC's SoftTotalQC, which enables users to result control sample results automatically routed through SoftDMI or entered manually.



Test Worksheet Builder

Enables users to create a worksheet to aid in the preparation of samples/specimens. The worksheets have a flexible template, allowing users to define the number of columns, rows, and fields to be viewable or automatically printed.

Worksheets can be defined for a single test or multiple tests per well, to fit the needs of the assay. By using the worksheet template, users can pre-define controls on the worksheet or add them to the worksheet builder on an ad hoc basis.

The screenshot shows the 'Test Worksheet Builder' window in the SCC SoftBioChemistry application. It displays a table of test results with columns for Mark, TAT Indicator, Order #, Spec/Tube, Patient Name, Test Code, Age, DOB, Ext. Spec/Tube #, and Collection DT. Below the table, there are various settings and controls, including 'Worksheet #', 'Built DT', 'Pending Action', 'Comment', 'Department', 'Add', 'Delete', 'Up', 'Down', 'Plate Format', 'Worksheet Group #', 'Generate', 'Worksheet Code', 'Built By', 'Status', 'Completed', 'Workstation', 'Re-run', 'Template', 'Transfer Controls', 'Vials Order', 'Section', and 'QC'. A 'Worksheet Template' section is also visible at the bottom, showing a grid of wells with columns for Row, Col, TAT Indicator, Order #, Spec/Tube, Patient Name, Test Code, Age, DOB, Ext. Spec/Tube #, and Collection DT.