

SoftMic® 5.0



SoftMic® 5.0, SCC Soft Computer's modern microbiology information management solution, helps laboratories improve efficiency, accuracy, and scalability in high-volume and complex testing environments. Designed for flexible, client-specific configuration, it supports culture processing, organism identification, antimicrobial susceptibility testing, and enterprise-wide standardization.

SoftMic® is a web-based application that streamlines microbiology laboratory workflows from order entry through final reporting. Its workflow-driven design supports **pre-analytics**, including specimen receipt, processing, tracking, and configurable worklists; **analytics**, with culture processing, organism identification, susceptibility testing, reflex workflows, and rules-based automation; and **post-analytics**, providing consolidated reporting, epidemiology, infection control, turnaround-time analysis, and electronic result distribution. SoftMic® enables paperless processing, real-time results, and efficient workflows across single-site and multisite laboratory environments.

FEATURES AND BENEFITS

Feature: Ease of deployment.

Benefit: As a web-based solution, deployment is simple and efficient. There is nothing to download or install on individual computers, reducing administrative overhead and enabling faster upgrades without requiring updates on each workstation. The platform also integrates more easily with client portals and other web-based applications, helping organizations streamline workflows. In addition, it supports thin client environments, allowing devices with limited hardware capabilities to access sophisticated applications delivered through a centralized infrastructure.

Feature: Cross-platform compatibility.

Benefit: The solution provides broad cross-platform compatibility, enabling users to access the application from a wide range of desktop operating systems, including Windows®, macOS®, and Linux®, as well as mobile devices running Android®, iOS®, and Windows. It also supports all major web browsers, including Chrome®, Safari®, Edge, and Firefox, providing consistent user experience across devices and platforms.

Feature: Seamless integration.

Benefit: The platform provides seamless integration across multiple laboratory and genetics applications, including SoftLab® 5.0, SoftMic® 5.0, SoftFlowCytometry®, SoftMolecular®, SoftBiochemistry®, SoftCytogenetics®, SoftHLA®, SoftGenomics®, and SoftPathDx®, which operate on a shared database and common platform. This unified architecture supports multi-technology ordering and reporting workflows, accommodates mixed-priority processing including custom EMR-defined priorities, and enables consolidated reporting across all modules. The result is improved operational efficiency, streamlined workflows, and a more comprehensive view of laboratory data across disciplines.

Feature: Healthcare-focused web-based user interface.

Benefit: The healthcare-focused web-based user interface is built on the SCC Web Framework, which was designed specifically to meet the needs of medical facilities. The framework supports the full patient-processing lifecycle within its applications, providing users with consistent and efficient experience from start to finish. Common components are shared across applications to promote usability and reduce training requirements, while domain-specific workflows and design patterns help align the user experience with the unique needs of laboratory and healthcare professionals.



Integrated with SoftLab® 5.0 for non-culture testing, SoftMic® 5.0 provides a unified approach to collection and receiving, helping laboratories maximize consistency, productivity, and operational performance across the organization.

FEATURES AND BENEFITS *Cont.*

Feature: Comprehensive data security.

Benefit: The platform provides comprehensive security through encryption of data both in transit and at rest, helping ensure that sensitive information is protected throughout its lifecycle. This end-to-end approach to data protection supports secure communication between systems and safeguards stored data against unauthorized access, reinforcing overall system integrity and confidentiality.

Feature: Microbiology order entry and workflow management.

Benefit: The microbiology order entry and workflow management capability streamlines the capture of patient, visit, order, specimen, and test information for faster, more accurate ordering. It supports microbiology-specific data entry, including specimen source and site, current antibiotic therapy, specimen quality, media selection, and detailed order comments, ensuring clinically relevant information is captured at the point of order.

Configurable rules allow ordering workflows to adapt based on test type, specimen source, source category, procedure, and media setup. Built-in workflow actions support specimen collection, receiving, and plating, with full user, date, and time traceability.

To improve efficiency, configurable keypads and ordering tools simplify the selection of common cultures and tests. Ordering also captures key operational details such as requesting physician, ward/clinic, location, priority, and collection information to ensure accurate routing and reporting. Together, these capabilities standardize microbiology ordering, reduce manual effort, and improve productivity in high-volume laboratory environments.

Feature: Comprehensive order history.

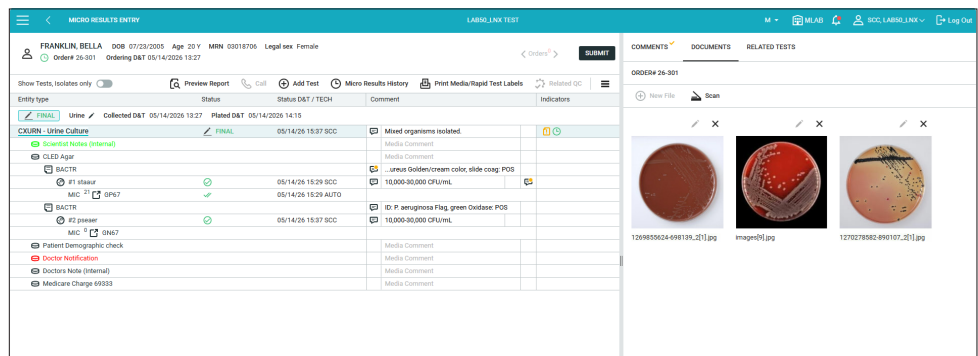
Benefit: The comprehensive microbiology order history provides a complete, end-to-end view of order activity, enabling users to review what happened to the order, specimen, and results throughout the workflow. It tracks specimen movement through key stages, including collection, receiving, remote receiving, hard receiving, and plating, ensuring full visibility of microbiology processes. Detailed traceability information, including status, location, user, date, and time, supports accountability and workflow transparency across all activities.

The system supports manual, system-driven, and instrument-related actions through integrated history tracking and audit trail tools.

The solution helps laboratories quickly identify specimen location, review workflow progression, investigate discrepancies, and maintain consistent microbiology operations. It also improves visibility and confidence in high-volume microbiology workflows by connecting order, specimen, and result history in a traceable process.

Feature: Micro result management.

Benefit: Provides a centralized, paperless workspace for microbiology result entry, culture workup, organism identification, susceptibility reporting, isolate-level review, and final result release. The solution streamlines the complete microbiology workflow, from initial culture review through final verification and reporting, while supporting high-volume testing environments through instrument result posting, reflex workflows, auto-resulting, autoverification, and exception management. Rules-based automation helps standardize result interpretation, suppression logic, critical result flagging, delta checking, and release decisions, promoting consistency and adherence to laboratory-defined policies. Integrated quality control and inventory management workflows further support operational efficiency, while configurable keypads, workflow-driven comments, reportable result review, and flexible documentation tools enhance productivity, improve consistency, and accelerate turnaround times.



SAMPLE SCREENSHOTS Cont.

MIC / Susceptibility Panels

Provides a dedicated view for reviewing susceptibility results within the Micro Results Entry workflow. Organism, drug, MIC value, and interpretation are displayed together in a focused grid, enabling efficient review and verification of reportable results. Status indicators and audit details support traceability, while configurable permissions allow authorized users to review, modify, suppress, verify, or release results before final reporting.

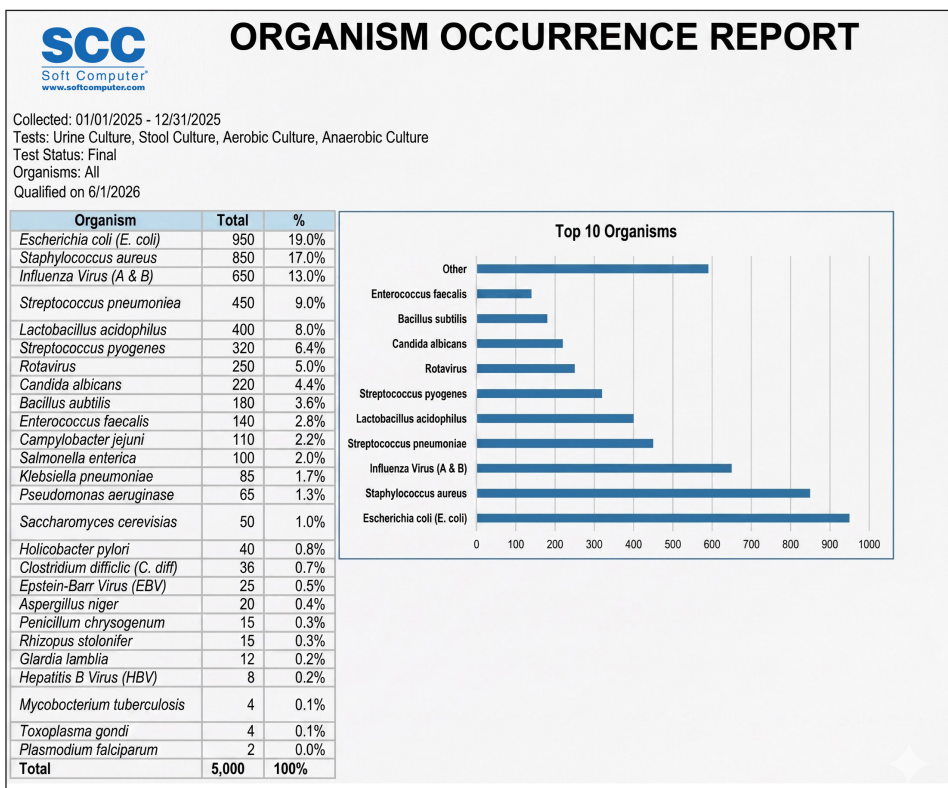
Microbiology Resulting List

Provides a tasklist-driven workspace for managing daily microbiology bench work and high-volume result processing. Configurable templates identify orders by workflow, test, specimen, status, and other criteria, while a consolidated grid presents key order details. Batch resulting, autoresulting, and quick access to comments and history accelerate result finalization.

Order #	Patient #	Specimen	Test #	Result	Status	Last Active DET / TECH
26-347	THOMAS, MICHAEL	URINE	05/19 2353	05/20 00:01	URINE	05/20/26 00:44
26-333	GREGORY, MATTHEW	00000189	05/19 08:34	05/19 09:50	URINE	05/27/26 15:51
26-331	YOUNG, MARYANNE	00000059	05/18 16:04	05/19 09:50	URINE	05/20/26 00:12
26-319	WHITMAN, ADHER	00000053	05/18 09:34	05/20 00:01	URINE	05/20/26 00:12
26-314	FRANKLIN, MATTHEW	00000496	05/19 11:33	05/19 09:47	URINE	05/20/26 00:12
26-313	LEWIS, MARYELLEN	00018629	05/19 11:19	05/20 00:01	URINE	05/20/26 00:12

Organism Occurrence Report

Provides a summarized view of organism frequency and prevalence across selected date ranges, displaying organism names, occurrence counts, and percentage distribution in a clear report format. Built-in filters support analysis by collection date, culture test type, status, and organism category, while a visual bar chart highlights the most frequently isolated organisms. The report helps support trend analysis, surveillance, infection prevention, and antimicrobial stewardship activities.



S-BROCH-MIC5.0-20260729

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