

# tech. guide

Laboratory Information  
Systems, Operational  
Middleware

**Beckman Coulter Diagnostics  
Inc.**  
Brea, CA  
www.beckmancoulter.com

**CompuGroup Medical**  
Austin, TX  
Daniel Doll, 443-431-4097

**4medica, Inc.**  
Marina Del Rey, CA  
424-289-2500 www.4medica.com

1. What is the brand name of your company's solution?	REMISOL Advance	CGM LABDAQ Laboratory Information System	4medica Health Data Quality Exchange for Labs
2. What is the latest version of your named LIS or middleware?	A. V2.3 b. V1.0	Version 23.5, October 2023	Version 23.1, 2000
3. Specify the authorizing agency, type, and year of the product's regulatory authorizations or certified compliance with voluntary standards.	FDA 510(k)	N/A	HITRUST, 2022
4. What is the intended use or primary function of the product?	Middleware	Laboratory information system	Cloud-based middleware and health data quality management platform that enhances electronic data exchange of clinical, pathology, imaging orders, and results; provides patient record verification and orders verification.
5. With which of the following systems or instruments is your system able to interface?	<ul style="list-style-type: none"> <li>■ central data repositories</li> <li>■ electronic medical records</li> <li>■ hospital information systems</li> <li>■ laboratory automation systems</li> <li>■ reference lab systems</li> </ul>	<ul style="list-style-type: none"> <li>■ anatomic and digital pathology systems</li> <li>■ blood banking</li> <li>■ cytology systems</li> <li>■ electronic medical records</li> <li>■ hospital information systems</li> <li>■ laboratory automation systems</li> <li>■ microbiology instruments</li> <li>■ molecular diagnostic instruments</li> <li>■ point-of-care instruments</li> <li>■ practice management and billing systems</li> <li>■ public health surveillance systems</li> <li>■ reference lab systems</li> </ul>	<ul style="list-style-type: none"> <li>■ central data repositories</li> <li>■ laboratory automation systems</li> <li>■ reference lab systems</li> </ul>
6. If you answered "other," explain briefly.			
7. On what operating system is your LIS or middleware based?	Windows	Windows	Cloud-based - non-OS dependent
8. What database system does your LIS or middleware use?	SQL	MS SQL	Google Cloud Platform
9. Briefly describe any automated features or options that pertain to the product.	REMISOL Advance is a leading middleware solution, bridging laboratory information systems (LIS) and instrumentation. It helps drive operational efficiency across the laboratory network through process automation and standardization.	Automate result delivery via EMR, web, fax, or e-mail. User-defined rules support billing, reflexing, autoverification, and order routing to designated lab. Reports, data mining, and dashboards for analytics.	Interfacing capabilities for automatic results to/from major LIS and EMR/EHR systems.
10. What is the typical training time for the product?	E-learning and on-site user training	1 to multiple weeks depending on the size of the install	1 to 2 hours of training for web-based orders and results portal application
11. What types of technical support are available?	Global customer support with Initial in-lab support for setup followed by in-lab, online and phone support.	Phone, e-mail, or web portal; 24/7 support is available.	24/7 support via phone, email, self-service portal; live chat during normal business hours
12. What capabilities, features, or accessories distinguish this product from others on the market?	REMISOL Advance offers dashboards that provide real-time insights and fast access to key metrics for more informed decision-making, integrated quality control review for commercial and patient controls, and patented laboratory-wide rule writing capabilities to help laboratories be proactive contributors in the patient health journey.	Highly configurable, scalable, and intuitive; optimizes many types of testing, including PCR and ABR; improves efficiencies with integration to EMR, billing, and reference labs. Manages specimen storage, inventory, workflows, and document management.	Allows for easy client customization and is highly scalable. Encompasses all aspects of the test ordering process including verification of patient demographics and clinical order accuracy using a powerful integrated MPI-match process to ensure fast order processing, billing accuracy and improved collections.

**Gestalt Diagnostics, Inc.**  
Spokane, WA  
gestaltdiagnostics.com

**LigoLab Information Systems**  
Glendale, CA  
800-544-6522  
www.ligolab.com

**Nova Biomedical**  
Waltham, MA  
781-894-0800  
www.novabiomedical.com

**Novopath**  
Bridgewater, NJ  
732-329-3209  
www.novopath.com

PathFlow	LigoLab LIS & RCM Laboratory Informatics Platform	NovaNet	NovoPath 360 - LIS; DXE - interoperability platform
Version 5, 2023	2023.2; January 2024	4.3.14SP13 Sept. 2022	N360.V.6.28.2323; December 2023
CE-IVD; SOC2	N/A	N/A	HIPPA, SOC2
	Laboratory information system	Supports specific point-of-care devices manufactured by Nova Biomedical.	LIS and middleware for anatomic and molecular pathology
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	Client portal, patient portal	Blood gas analyzers, glucose meters, and other point-of-care meters	
Windows, MAC	Mac OS, Microsoft (any that support Java)	Microsoft Server 2016 or 2019.	Any
SQL	MS SQL	Integrated, proprietary build of Sybase SQLAnywhere.	Microsoft SQL
PathFlow transforms pathology through an intelligent, configurable, vendor-neutral, and AI-driven digital workflow that provides true interoperability enabling pathologists to diagnose diseases faster and more efficiently.	The platform's state-of-the-art automation engine enables users to craft intricate configurations, conditions, sequences, and outcomes and ensures that this automation can be triggered at numerous strategic points within the application.	Bidirectional interfacing capability to all major LIS and middleware providers, allowing for automatic upload of results and download of test orders and patient demographics.	Test ordering portal; specimen and discrepancies tracking; real-time analytics; automated work assignment; pre-populated fields; ancillary testing combined into one case and report; on-demand scalability; hands-free grossing; voice recognition.
2-3 hours	30 to 60 days	1 to 2 hours	2 weeks - onsite and virtual with library of resources
Regular business hours and 24/7	24/7 technical support	24/7/365 phone support within the United States; local dealers outside the United States.	24/7 round the clock
Truly interoperable and provides a single, streamlined environment and experience. Integrates with multiple LIS, EMRs, EHRs simultaneously, support multiple scanner vendors and file formats, including DICOM. Build our own AI algorithms for optimizing workflow and for use commercially within our solution or others.	A comprehensive and highly configurable enterprise informatics platform that efficiently manages all lab LIS and lab billing operations. This all-in-one solution supports every role and empowers laboratories to differentiate and scale, all while becoming more compliant and more profitable.	A proven, secure, and easy-to-use software tool that provides connectivity for as many as 100 device types from multiple vendors through partnerships with leading middle-ware vendors.	Perform ancillary tests in a single case and create a single report, self-service configurations, intuitive interface with voice dictation, seamless & secure interoperability, 100% scalable; built as a true SaaS application, automated case distribution based on client preferences, automated CPT code, patient verification.

**Orchard Software**  
Carmel, IN  
800-856-1948  
www.orchardsoft.com

**Seacoast Laboratory Data Systems, Inc.**  
Dover, NH  
603-431-4114, www.sldsi.com

**Siemens Healthineers**  
Tarrytown, NY  
800-888-7436  
https://www.siemens-healthineers.com/en-us/diagnostics-it

**XiFin, Inc.**  
San Diego, CA  
Joseph Nollar,  
AVP of LIS Product Management,  
858-436-9596, www.xifin.com

Orchard Enterprise Lab	SurroundLab Plus	Atellica Data Manager (ADM)	XiFin LIS
V11.0.240129	v2024; 1/1/2024	Version 1.3	Version 9.14 (2024)
N/A	N/A	510(k) Exempt; not IVDD CE-marked; not IVDR CE-marked	SOC1, SOC2, CAP, CLIA
LIS	Complete laboratory information system (LIS)	Enable audit-readiness. More open and scalable than ever before, Atellica Data Manager is laboratory data management software designed to increase visibility and centralize management across a broad spectrum of multidisciplinary instruments and sites.	AP, CP, toxicology, molecular, NGS, clinical trials
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Interfaces to any third-party information system		Patient moving averages, auto-verification and quality control	
Windows	Windows/Unix	Microsoft	The XiFin LIS is a cloud-based system accessed via standard web browsers.
Microsoft SQL	Cache/GTm	SQL	SQL
Designed with maximum flexibility and configurability to support unique workflows across various laboratory scenarios. Can assist with lab requirements for interfacing, automation, and standardization.	Auto-accessioning/receipt option for HL7 orders; auto-release options for instruments, report scheduling (patient and management)	Quickly see which results have been held, understand why, and prioritize action based on severity.	Integration with your lab's medical devices allows for automated integration of results. System can be configured to auto-release normal results. Batch processing allows for a more streamlined workflow.
1-week course	4 day super user class	8 hours	2-3 days for each user category (admin, tech, pathologist, etc.)
Phone, email, web support 24/7/365	Direct access via phone & email, 24/7/365	M-F 8am to 5pm or Monday-Sunday 8am to 9pm	Phone support- M-F 6:00-7:00 PST - On-line support 24/7.
An enterprise-class laboratory information system that incorporates advanced tools and decision support to measure performance, improve productivity, and generate valuable business analytics. Our enterprise LIS is designed to support high-volume, complex laboratories.	Customizable, paperless Microbiology, Nursing Home/ Standing Orders Module, optional RCM/AR software system	The software can be easily configured to support unlimited instrument connections, users, and concurrent sessions. Connect and manage multiple labs, LIS, automation systems, and multidisciplinary instruments using a highly scalable, virtual, and open software solution with access to a growing library of more than 700 device drivers.	No major hardware or software purchases or upgrade fees. Tailored diagnostic modules and logic-driven reports. The company's revenue cycle management, clinical workflow enablement, laboratory information system, and patient engagement solutions enable organizations to achieve stronger finances and streamline operations.

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[meeting.myadlm.org](https://meeting.myadlm.org).



Patrick Mathias  
MD, PhD

