tech guide

Middleware

	Beckman Coulter Inc Brea, Calif (800) 526-3821 www.beckmancoulter.com	Clinical Software Solutions Queen Creek, Ariz (480) 888-9447 clin1.net	Orchard Software Corp Carmel, Ind (800) 856-1948 www.orchardsoft.com
1. What is the brand name of your company's middleware system?	Remisol Advance	CLIN1 LMS	Orchard Trellis
2. What is the latest version of your named middleware system; what year was this version first released to market (US, OUS)?	Version 1.9, 2016.	Version 1.3, 2015.	Version 3.0, 2012.
3. What is the intended use or primary function of the product?	Enterprise data management using real-time quality control (QC) monitoring, easy rules writing, advanced autoverification, and open connectivity to strengthen the laboratory's security, quality, and efficiency.	Laboratory analyzer and point-of-care results processing to third-party vendors.	Connecting point-of-care (POC) testing devices to the laboratory information system (LIS) or electronic medical record (EMR).
4. With which of the following systems or instruments is your middleware system able to interface?	❑ anatomic and digital pathology systems ❑ bedside or handheld ID systems ❑ blood banking ■ central data repositories ❑ cytology systems ■ electronic medical records ■ hospital information systems ■ laboratory automation systems ❑ microbiology instruments ■ molecular diagnostic instruments ❑ pharmacy systems ❑ point-of-care instruments ❑ practice management and billing systems ■ public health surveillance systems ■ reference lab systems ❑ other	■ anatomic and digital pathology systems ■ bedside or handheld ID systems ❑ blood banking ■ central data repositories ■ cytology systems ■ electronic medical records ■ hospital information systems ■ laboratory automation systems ■ microbiology instruments ■ molecular diagnostic instruments ■ pharmacy systems ■ point-of-care instruments ■ practice management and billing systems ■ public health surveillance systems ■ reference lab systems ❑ other	■ anatomic and digital pathology systems ■ bedside or handheld ID systems ■ blood banking ■ central data repositories ■ cytology systems ■ electronic medical records ■ hospital information systems ■ laboratory automation systems ■ microbiology instruments ■ molecular diagnostic instruments ❑ pharmacy systems ■ point-of-care instruments ■ practice management and billing systems ■ public health surveillance systems ■ reference lab systems ❑ other
5. If you answered "other," explain briefly.			
6. On what operating system is your middleware system based?	MS Windows and Windows server.	MS Windows.	MS Windows.
7. Briefly describe any automated or connectivity features or options that pertain to the product.	Scalable from single site to multisite/multilaboratory information system capabilities, including order download and results upload; supports connectivity to Beckman Coulter and third-party automation and instrumentation.	Interfacing for orders and results with other vendors' systems for facilities that do not require a full laboratory information system; user-friendly and easy to use; quality solution and investment value for a fair and reasonable cost.	Provides the ability to remotely interface POC testing devices. System administrators can easily manage POC testing menus, QC, and personnel certification.
8. What types of technical support are available?	Application specialists are available for onsite support and 24/7 hotline support.	24/7/365 with a service agreement.	Phone, email, and Web support is available 24/7/365.
9. What capabilities, features, or accessories distinguish this product from others on the market?	Powerful QC package uses patient results for real-time QC monitoring; browser-based dashboard displays dynamic key performance metrics to keep workload monitoring front and center; sample delivery management provides sample tracking to meet ISO 15189 sample transportation and reception requirements.	Integratable with other vendors' systems for immediate access to lab results; generates barcoded labels; can also be used as an intermediary between two or more third-party systems (such as orders, results, private health information); custom programming available.	A cost-effective solution that provides electronic connectivity to effectively manage POC testing; ensures real-time electronic capture of POC testing results in the electronic health record, allowing providers prompt access to results for quick diagnosis and treatment.

Siemens Healthineers	Sysmex America Inc	Technidata	Telcor Inc
Tarrytown, NY (877) 229-3711 usa.healthcare.siemens.com	Lincolnshire, Ill (800) 379-7639 www.sysmex.com	Montreal, QC, Canada (770) 888-4027 www.technidata-web.com	Lincoln, Neb (866) 489-1207 www.telcor.com
CentraLink data management system	Sysmex WAM	TD BactiLink	Telcor QML
Version 15.0.3, 2001.	Version 5.02, 2016.	Version 1.25, 2013.	Version 2.3.18, 2015.
Data management.	Hematology information management tool that consolidates data from multiple laboratory analyzers, performs complex rules-based functions, and communicates the information to laboratory information systems; manages Sysmex automation systems in regard to rack/smear management and sorting/archiving of samples.	Middleware software solution for microbiology laboratories.	Manage all information system aspects for a point-of-care (POC) testing program, including but not limited to devices, operators, and results.
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	Connection to vendor-partners' middleware and quality control systems.	Laboratory information systems and patient administration systems.	Learning management system.
Microsoft Server 2008.	Red Hat Linux.	MS Windows Server platform.	MS Server 2008 and 2012.
CentraLink uses HL7 and ASTM protocols to communicate to the LIS; optional feature of connectivity to Bio-Rad Unity; connectivity with Siemens and third-party instruments.	Provides true multisite and multi-LIS capabilities with time zone support; permits subsite rules where needed for added flexibility; sample tracking of shared sample IDs between sites with complete sample tracking features for hematology and smear generation.	Multiinstrument connectivity; multitechnology based on market communication standards (HL7, ASTM); connectivity with microbiology lab automation systems.	Sample ID validation via admissions, discharge, transfers (ADT) and orders interfaces; solicited and unsolicited result interfaces; operator interfaces to devices for operator lockout; learning management system (LMS) interfaces for operator competency and automatic recertification.
24/7.	24/7 technical assistance center; customer resource center website; online help, how to videos, Technical Tidbit document library.	User hotline; levels 1 to 3 support and maintenance services, depending on the subscribed services package.	24/7/365.
Comprehensive result management and autoverification rules and integrated QC package; highly customizable workflow scenarios; robust and mature multidisciplinary data management and networking system.	Standard preconfigured rules customized to customer specifications; automated testing tools with instrument emulator to streamline testing with final report output; hematology-specific middleware with smear and pathology management features; system and database management included in product offering.	Multiinstrument; multitechnology; multisite; multisupplier; high-performance connectivity; paperless microbiology laboratory automation; epidemiology; nosocomial infection alerts; workflow customization; real-time, rule-based system; full traceability and audit.	Open POC testing system not owned or managed by a device vendor; first LMS interface; single version philosophy; all product enhancements included at no additional cost; multiple simultaneous result interfaces to multiple LIS and EMR systems for both solicited and unsolicited results.