



Design Your Lab for Peak Efficiency

Reimagining Your Workday
with REMISOL Advance



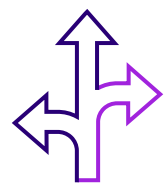
Optimize your lab for extraordinary performance

With today's increasing complexity, it's time to embrace a new era of productivity and dedicate your focus to patient-critical results. REMISOL Advance, Beckman Coulter Diagnostics' proven middleware solution, enables labs to overcome operational challenges through **automation, error reduction, and quicker delivery of outcomes.**

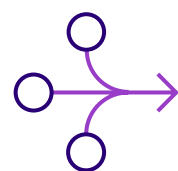
Explore the primary features and benefits of REMISOL Advance



QUALITY CONTROL



FLEXIBILITY



INTEGRATION



ENTERPRISE SCALABILITY



QUALITY CONTROL

Never Sacrifice Speed for Quality

By pairing **REMISOL Advance and the DxA 5000 Total Lab Automation system**, labs can expect quality and speed. Automated QC and Exponentially Weighted Moving Averages (EWMA) remove the risk of human error to help deliver the highest quality results. With dynamic communication that adapts route plans when necessary to eliminate the need for technologist intervention, this system partnership also ensures quick turnaround times (TATs).

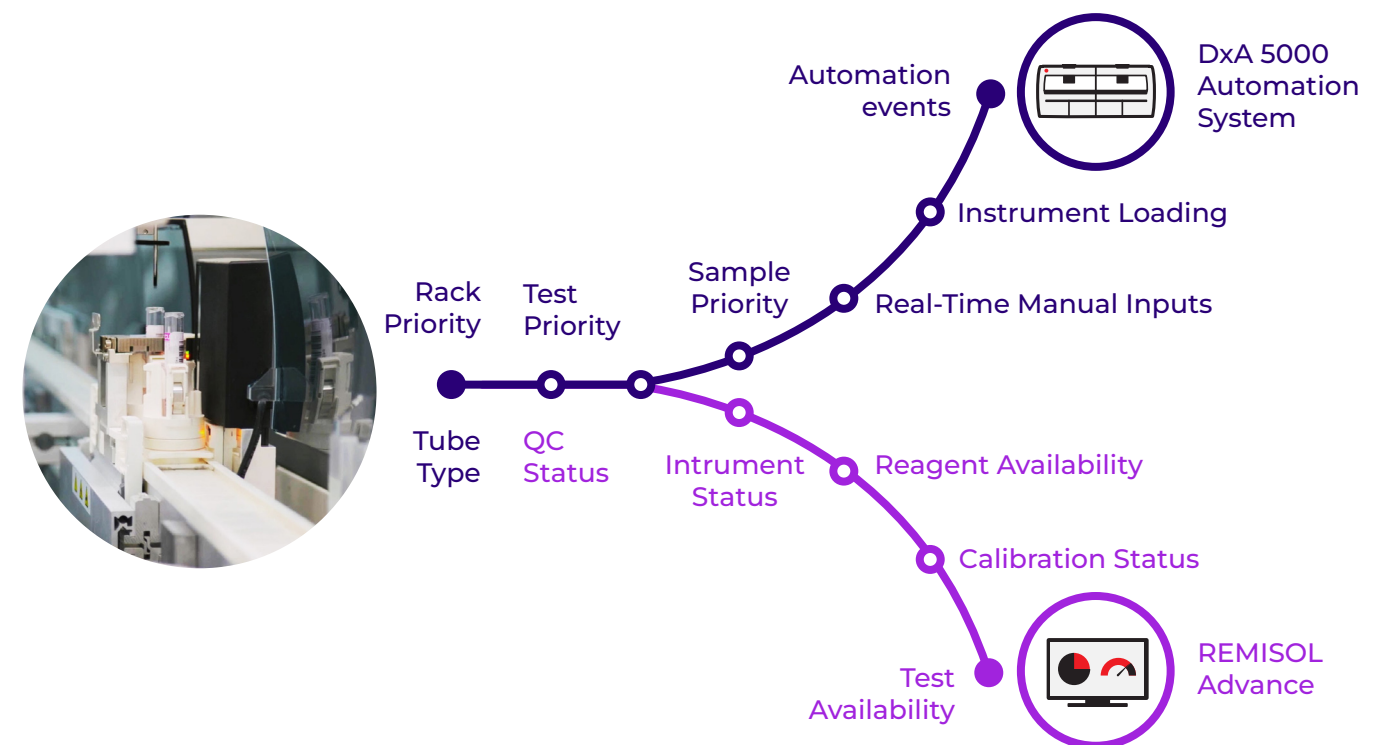
Pair with the DxA 5000 automation line for total process control

Full integration of REMISOL Advance and DxA 5000 to provide dynamic communication and unprecedented control over your testing management.

- Compiles detailed and traceable histories for each tube
- Uses sample tracking events to write workflow rules
- Enables re-runs, dilutions, reflexing and more!

Optimized Workflow and Intelligent Routing

- REMISOL Advance pushes data to the DxA 5000 system that is used to create and adapt sample routing that reduces TATs.
- REMISOL Advance provides system constraints to the DxA 5000 system, which algorithmically uses these constraints to power **Intelligent Sample Routing**



Quality Assurance

REMISOL Advance embeds quality assurance continually into DxA 5000 operations

- ✔ Sends QC status for intelligent route planning
- ✔ Manages sample condition and stability data
- ✔ Notifies user if automation detects sample inconsistencies

Automated Quality Control

Intended to reduce manual steps, saving time and labor for tasks associated with running QC on multiple analyzers.

- ✔ Operates with the DxA 5000 and DxA 5000 Fit automation systems
- ✔ QC materials may be from Beckman Coulter or 3rd-party and are loaded in the DxA 5000 Input module

- ✔ QC sample tubes may be stored in the environmentally controlled storage device

- ✔ 3 parts to this process: DxA 5000 system moves tube, REMISOL Advance triggers QC and tracks results, and Instruments are the object of QC



Exponentially Weighted Moving Average (EWMA)

Patient-based, real-time quality control to stop autoverification & downloads when necessary.

Available filters: gender, sex, instrument, department, etc.

Begin to monitor the results flow after the first value is received

EWMA averages the data and gives less weight to data as they are further removed in time

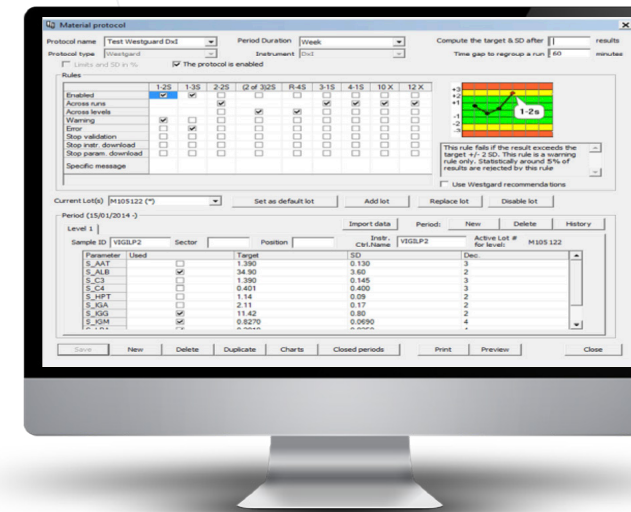
By the choice of weighting factor, (0.2), the EWMA control procedure is sensitive to a small or gradual drift

- The newest result weight 80% compared to 20% for the previous result

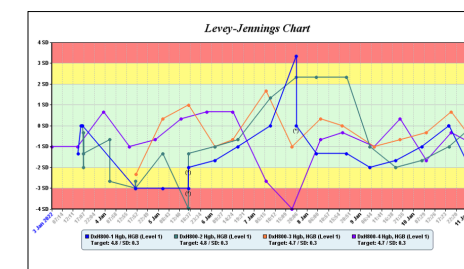
Extended Quality Control (eQC) Application

Going beyond the basic quality control features provided by REMISOL Advance data management software, our optional eQC module enhances quality control capabilities to ensure your processes continually meet your defined standards.

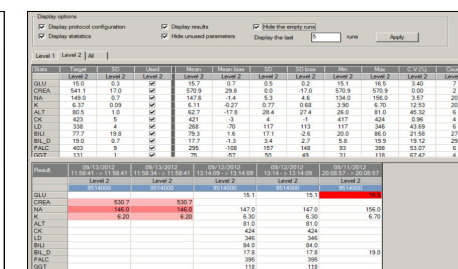
With EQC you can create workflows which stop validation and/or instrument download and prevent sample data upload to the LIS, as well as prevent results being generated by a faulty analyzer. Your team can then be alerted based on follow-up rules defined by your SOP. As a result, your lab will have increased confidence in reported results and faster detection of instrument and control irregularities.



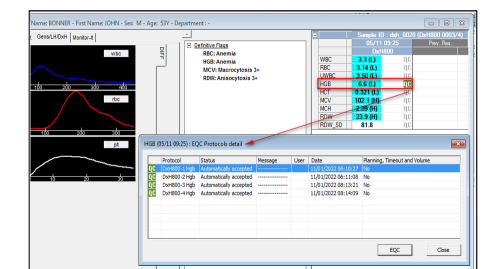
Commercial Controls with Automated Actions



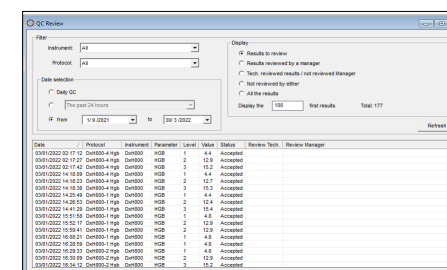
QC Report Charts overlaying multiple QC levels



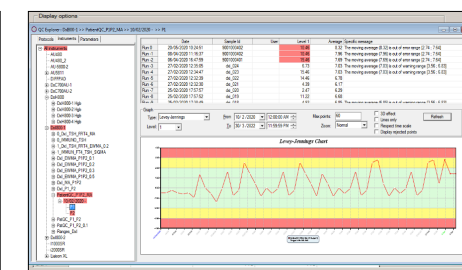
Suspend Validation and instrument download when required



QC always linked to patient results



Supports QC Monthly Review and Validation



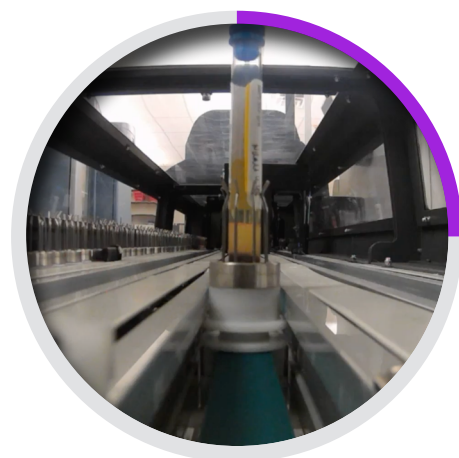
Support Multi-site Review



FLEXIBILITY

Take Control

Personalized tools in REMISOL Advance, such as an intuitive rule-writing engine and user-defined dashboards, give you the power to make real-time process adjustments to **achieve exceptional performance**.



Rule Writing Engine: Auto-validation and Automated SOPs

The REMISOL Advance rule writing engine allows the laboratory to create sophisticated rules that manage:

- Quality Assurance
- Delta Check
- Standard Reference Ranges
- Reflex Testing
- Dilution Protocols
- Rerun Criteria
- Automatic Add-Ons

Rule Building

- **Detailed Rules:** Chemistry, Immunoassay and Hematology
- **Foundational Rules Dictionary:** Ready for Implementation
- **Easy Creation with Drop Down Selection using If-Then Statements**

Intelligent Worklist

- Filtered Worklists for All Connected Disciplines (Sample vs. Request List)
- Produce Custom Lists and Reports
- Receive Critical Notifications Instantly



Custom Dashboards

Dashboards provide customizable views into selected metrics and the actions that require attention to drive optimal lab performance.

- Sample Management focus on critical & delayed samples to manage by exception
- Quality Control Monitor QC performance by focusing on alerts
- Sample Workflow real-time sample status giving a view into sample processing
- Performance Criteria continual view of current auto-validation, # of tubes completed, turnaround time (TAT), etc

Customize to meet organizational goals

- Use sample and test volume hourly distribution to schedule staffing appropriately.
- Gauge if technologists or automation are evenly distributing tube volume between instruments.
- Easily Assess Sample State to download, result pending, to validate
- Evaluate normal versus STAT order volumes



DiffPad

DiffPad allows for centralized management of manual differentials for the lab. This includes the ability to customize the DiffPad with rules when analyzing manual results.

DiffPad Benefits

- 1. Result by Exception**
 - Customization messages driven by SOPs
 - Patients with known previous conditions
- 2. Robust Rules engine**
 - Rules for workflow management and verification
 - Standardize across analyzers
- 3. Manual Diff Management**
 - Centralize management of manual differentials
 - Customizable diffpad with rules for manual results
- 4. Paperless Operation**
 - Electronic storage of graphical information



INTEGRATION

Expand Your Lab with Easy Integration

Unlock the potential of your lab with seamless, bi-directional connectivity to multiple lab disciplines.



12 BECKMAN COULTER ANALYZERS

24 THIRD-PARTY ANALYZERS

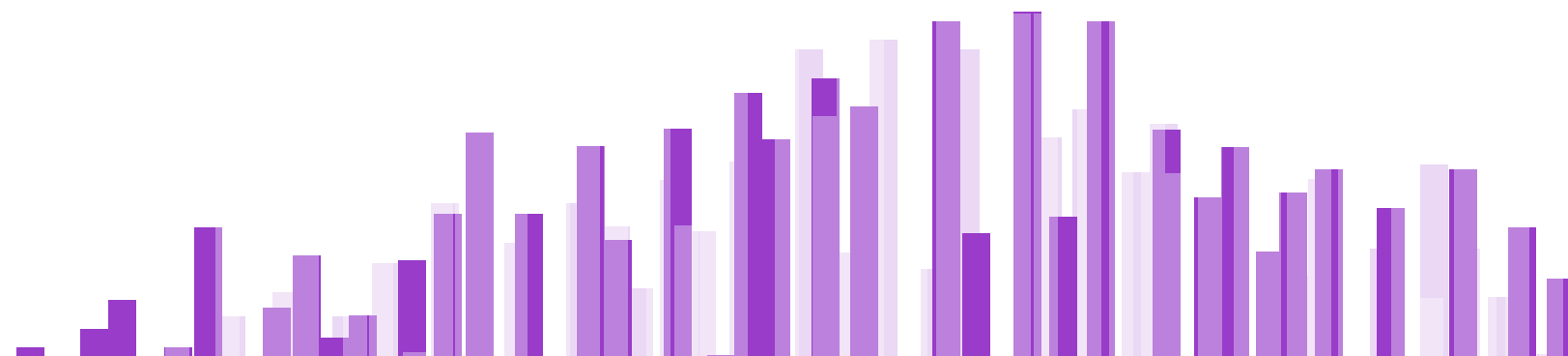



ENTERPRISE SCALABILITY

Enterprise Scalability and Visibility

Enable centralized data management and standardization throughout your multi-site network while allowing scalability with an open architecture that works with disparate instruments and Laboratory Information Systems. Now, you can conveniently monitor KPIs at an enterprise level via user-friendly dashboards.

- ✓ Centralized Data Management and Standardization
- ✓ Multi-site Network Support
- ✓ Open Architecture: Instruments and LIS
- ✓ Enterprise Level Dashboards





In the face of ever-increasing sample volumes, coupled with ongoing staffing shortages, REMISOL Advance allows labs to focus on their highest priorities and ensure quality, error-free, patient-critical results. An important benefit is its scalability to meet the needs of labs of many sizes and types, including multiple sites/locations.

Learn more about REMISOL Advance Middleware

www.beckmancoulter.com/REMISOL



REMISOL Advance is a trademark or registered trademark of Normand-Info SAS in the United States and other countries. Used under license.

© 2025 Beckman Coulter, Inc. All rights reserved. Beckman Coulter, the stylized logo, and the Beckman Coulter product and service marks mentioned herein are trademarks or registered trademarks of Beckman Coulter, Inc. in the United States and other countries. All other trademarks are the property of their respective owners. The Danaher trademark is a proprietary mark of Danaher Corporation.

For Beckman Coulter's worldwide office locations and phone numbers, please visit www.beckmancoulter.com/contact 2025-13892

