



# RADIANCE

## Features, benefits and process optimization

- Control & monitor decentralized analyzers
- Maximize analyzer uptime
- Manage analyzer data and produce reports to meet regulatory requirements
- Minimize manual data processing
- Automate data handling
- RADIANCE is a part of 1st automatic

For internal use only

Feature	Feature description & Benefit	Process optimization
<b>Analyzer Control (AQT90, ABL90 FLEX, ABL800 FLEX, ABL80 FLEX, ABL700 Series and ABL77 analyzers only)</b>		
Alert to change in live status	Audio-visual notification of changes in analyzer status, consumables, calibrations and QC violations ⇒ <ul style="list-style-type: none"> <li>• Ignore system until alerted to status change</li> <li>• Meet regulatory requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Increase response time</li> <li>• Maximize analyzer uptime</li> <li>• Increase productivity</li> </ul>
Monitor analyzer status	Show the status (traffic light) of each connected acute care analyzer ⇒ <ul style="list-style-type: none"> <li>• React quickly to any problems with the analyzers</li> <li>• Plan maintenance visits as necessary</li> </ul>	<ul style="list-style-type: none"> <li>• Maximize analyzer uptime</li> <li>• Eliminate unnecessary visits</li> <li>• Reduce workload</li> <li>• Increase flexibility</li> </ul>
Monitor consumables	Review consumables and Auto QC levels remotely ⇒ Save unnecessary visits	<ul style="list-style-type: none"> <li>• Eliminate unnecessary visits</li> <li>• Save time</li> <li>• Maximize analyzer uptime</li> </ul>
Remote control	Control of your decentralized analyzers ⇒ Fast responses to analyzer issues and plan proactive service <ul style="list-style-type: none"> <li>• Send messages to remote analyzers</li> <li>• Initiate remote actions without going to the analyzer</li> <li>• Remotely enter/exit analyzer standby</li> <li>• Remotely lock/unlock parameters</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce troubleshooting time</li> <li>• Increase productivity</li> <li>• Reduce preparation time</li> <li>• Maximize analyzer uptime</li> </ul>
Remote support	Connect directly to decentrally placed analyzers and perform support remotely ⇒ Maximize analyzer uptime	<ul style="list-style-type: none"> <li>• Reduce visit frequency</li> <li>• Increase productivity</li> </ul>
<b>Patient Data Management</b>		
Audit trail	Track all changes to a patient result ⇒ Ensure diagnostic accuracy	<ul style="list-style-type: none"> <li>• Increase compliance</li> <li>• Increase traceability</li> </ul>
Exception based processing of patient results from POCT1-A compliant devices	Define your own rules to catch those results needing additional processing before transmitted to the LIS ⇒ Improve quality of POC testing result data	<ul style="list-style-type: none"> <li>• Increase flexibility</li> <li>• Improve patient care</li> <li>• Secure data integrity</li> </ul>

Feature	Feature description & Benefit	Process optimization
<b>Regulatory Compliance</b>		
Automated replacements log	Automatically records replacements done on Radiometer analyzers ⇒ Automates documentation	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Assists paperless inspection</li> </ul>
Tasks list	An automatic reminder system for all connected analyzers ⇒ Get a quick overview of any tasks due to be performed	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase productivity</li> <li>• Increase compliance</li> <li>• Maximize analyzer uptime</li> </ul>
QC/calibration plots linked with replacements log	QC and calibration LJ plots ⇒ Quickly see what actions have been performed when reviewing graphs for QA purposes	<ul style="list-style-type: none"> <li>• Simplify inspection</li> <li>• Increase productivity</li> <li>• Increase compliance</li> </ul>
Electronically sign & record review of reports	Document your monitoring and control of QCs and corrective actions ⇒ Meet regulatory requirements	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase compliance</li> <li>• Improve productivity</li> </ul>
Collect, store and review data	Collect, store and review data from connected analyzers and produce QC and summary reports based on standard report formats with data filtering options for customization ⇒ Automate generation of reports for regulatory purposes	<ul style="list-style-type: none"> <li>• Increase compliance</li> <li>• Reduce workload</li> <li>• Increase flexibility</li> </ul>
Automatic QC results processing	Automatically check QC results for errors and based on simple rules, results can be sent onwards to information systems ⇒ Eliminate manual data processing	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase compliance</li> </ul>
Automatic reminder system	An automatic reminder system for regulatory compliance documentation ⇒ An automatic paperless QA system	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase productivity</li> <li>• Increase compliance</li> <li>• Increase flexibility</li> </ul>
Automatic WDC data upload	Compare QC statistics with data from peer groups throughout the world ⇒ Automate QA processes	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase compliance</li> <li>• Improve productivity</li> </ul>
<b>Workflow productivity</b>		
Master Patient Index look-up & Patient-by-department look-up	Ways to ensure accurate sample identification ⇒ Solves problems with unidentified or incorrectly identified patient results ⇒ 100 % data accuracy Errors eliminated: <ul style="list-style-type: none"> <li>• Incomplete data records and missing results from patient records</li> <li>• Incorrect identification</li> <li>• Lost billing opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Improve patient care</li> <li>• Reduce workload</li> <li>• Increase compliance</li> </ul>
Automatic accession # generation	Automatically add accession numbers to all results ⇒ Eliminate manual data processing	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Improve patient care</li> </ul>
1st automatic (FLEXLINK)	Automatic patient-sample match Result identified with correct patient and sample information Eliminate pre-analytical data entry errors	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Improve patient safety</li> <li>• Optimize processes</li> </ul>
Centralized user management	Centrally setup analyzer users and user profiles on ABL800 FLEX and ABL90 FLEX ⇒ <ul style="list-style-type: none"> <li>• Remotely add, edit, delete users, define access rights and passwords across multiple analyzers ⇒ Protection against unauthorized access</li> <li>• Users are identified on patient and QC results</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase security</li> <li>• Increase productivity</li> <li>• Increase compliance</li> </ul>
Results available where needed	The correctly identified results are quickly and automatically reported where needed: the lab, the patient's bedside monitor or the doctor's PDA	<ul style="list-style-type: none"> <li>• Improve patient care</li> <li>• Increase productivity</li> <li>• Reduce workload</li> </ul>
Web-browser based	Secure access to patient results and analyzer data via hospital's intranet or internet ⇒ Access from anywhere	<ul style="list-style-type: none"> <li>• Increase productivity</li> <li>• Simplify analyzer support</li> <li>• Maximize analyzer uptime</li> </ul>
<b>Connectivity</b>		
Open System	Connection and management of your acute care analyzers ⇒ Lower your connectivity costs	<ul style="list-style-type: none"> <li>• Reduce cost</li> <li>• Increase flexibility</li> <li>• Increase productivity</li> </ul>
Information system communication	Send data to multiple information systems via standard protocols, ASTM, HL7 and POCT1-A ⇒ All results from decentralized locations are automatically documented and traceable Eliminate garbage data ⇒ 100 % billing	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Increase flexibility</li> <li>• Increase productivity</li> </ul>
100 % data capture	Synchronized result transmission between Radiometer analyzers & RADIANCE & LIS ⇒ Full recovery from power or network outages	<ul style="list-style-type: none"> <li>• Reduce workload</li> <li>• Improve patient care</li> </ul>