Brilliant Performance. Clear Results.

Increase efficiency, accuracy and flexibility with the redesigned Echo Lumena, our high performing, fully automated blood bank system. You can depend on us. With over 1,500 Echo installations globally, we’re ready to launch Immucor’s 5th generation fully automated platform.

Maximum performance
Maximum support

Integration made easy. Echo Lumena is already integrated into the existing Immucor complete solutions offering, combined with supporting software, ImmuLINK® & blud_direct™.

Maximum performance
From the inside out

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Data Management

Blood Bank Labs can’t afford to be down. That’s why there’s blud_direct. An industry exclusive premium level of secure, technical support utilizing high-speed Internet connectivity enabling you to receive help from an Immucor Technical Service Representative directly on the instrument monitor. With an overwhelming success rate, downtime is minimized instantly.

To learn more or to set up a consultation with one of our Blood Bank Business Managers, call 855.IMMUCOR (855.466.8267) or visit www.immucor.com.

In Canada:
1 800 565 0653
e.DBLCustomerService@immucor.com
Brilliant Performance. Clear Results. Seeing beyond limits

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A Fluidics Module
- Add system fluid or remove waste anytime during operation

B Sample And Reagent Loading Bay
- Accommodates 20 samples and 16 liquid reagents
- Linear racks using LED-guided user interface provide continuous access to samples and reagents
- Immediate bar code read

C Microstrip Loading Bay
- Accommodates 32 strips
- LED user interface for continuous loading
- All strips feature 2D bar codes for traceable resource management

D Intuitive User Interface
- Touchscreen 17” monitor
- Color imaging

E Automated Processing
- Forced-air incubator reduces TAT
- Continuous flow washer
- Self-balancing centrifuge
- New Image analysis reader provides superior real-time test well results

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Cost efficient
Reduce hands-on time with a fully automated menu.
- Pre-coated Capture plates for antibody screening and identification
- Automated, centralized testing process
- Compatibility of Immucor automation through Immucor validation tool
- Faster TAT
- Capture® technology
- Individual results
- Immediate results
- Reduced hands-on time
- Captured antibody identification results
- Reduced reagent consumption

Patient safety
Increase the number of fully interpreted results to improve patient safety.
- Updated reader module
- Improved interpretation algorithms
- Increased stability and security of software

Sensitivity to IgG antibodies
Our 30 years of experience has led us to create a best-in-class technology for antibody identification - Capture Technology
- Antibodies are pre-coated on the test wells at the time of manufacture so there are fewer reagents to manage, less pipetting, and more time savings.
- Real-time test results with visual well image, graded reaction, or final interpretation
- 3 different antibody identification panels of 14 unique donors

Keep quality in check
Our many quality control processes are designed to give you peace of mind.
- Continuous interaction with all components including hardware, software, assays, and reagents.
- 2D code identification & strip traceability
- Process control & maintenance activities are documented and reportable at any time
- Reagent quality controls traceable and configurable
- Software ensures positive identification and traceability throughout the testing process

Compatibility
No matter how big or small your lab is Echo Lumena has flexible workflow solutions to adapt to your labs needs.
- Loading and unloading of samples & results any time
- Priority sample handling with STAT functionality
- Easy integration into lab workflow

Adaptive
Echo Lumena is readily accessible and flexible to your lab workflow.
- Loading STAT samples at all times
- Continuous access
- Reflex testing and customization

Intensity: 1 - Weak, 2 - Moderate, 3 - Strong
Maximum performance
Maximum efficiency

Quality you can trust
You can rely on the quality and efficiency of Echo Lumena.
- Customer changeable parts
- New scientific grade reader module with improved image analysis

The speed you need
Get results in record time – Echo Lumena is the fastest, fully automated type and screen on the market today.
- Immediate
- Individual results
- Capture technology
- Faster TAT
- Quality you can trust

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Maximum performance
Maximum accuracy

> 99% Sensitivity for antibody screening using Capture technology.

Intuitive
Experience Echo Lumena’s easy-to-use and user-friendly interface.
- Status alerts
- Improved user experience
- Fast hosts in 3 easy steps
- Touchscreen 17” monitor

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Maximum performance
Maximum flexibility

TIME COMPARISON OF PRE-AUTOMATION/IMMULINK AND POST-AUTOMATION/IMMULINK*

<table>
<thead>
<tr>
<th>Workload</th>
<th>Pre-Automation/Immulink</th>
<th>Post-Automation/Immulink</th>
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<tr>
<td>Pre-analytical</td>
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<td>Manual GS</td>
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<td>Sample</td>
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<tr>
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<tr>
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<td>ABS Pos</td>
<td>to Hub site</td>
<td>Sample</td>
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<td>Crossmatch</td>
<td>performed</td>
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* Data obtained during external field study at Florida Hospital, Orlando FL, USA

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Test Procedures

1. Incubate
2. Wash
3. Indirect
4. Red cells
5. Centrifuge
6. Top view
7. Side view
8. Strong positive
9. Weak positive
10. Negative

Sensitivity to IgG antibodies

Echo Lumena’s test menu includes 3 different antibody identification panels of 14 unique donors.

Test Scenarios

1. ABO/Rh D Type
2. Antibody Identification
3. ABO Retype
4. IgG Crossmatch
5. IgG DAT
6. Rh D negativity

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