

# Alinity



# Alinity

---

## h-series

ALINITY | Clinical Chemistry | Immunoassay | Hematology | Transfusion | Molecular | Point of Care | Professional Services

HARMONIZED SYSTEMS

## Hematology systems that streamline workflow to transform your laboratory

CHOOSE TRANSFORMATION™

Achieve measurably better healthcare performance.  
[www.corelaboratory.abbott/alinity](http://www.corelaboratory.abbott/alinity)



## Your vision. Our innovation. Designed for you, by you.

Alinity is Abbott's next generation of systems, across key laboratory disciplines, designed to simplify diagnostics and help you deliver results that drive better patient outcomes. With Alinity, critical interactions between individuals, systems and information are streamlined, enabling you to redefine performance in your laboratory and your institution.



# Alinity

Alignment | Innovation | Unity

# Alinity. Your total lab solution, designed to deliver:



## CONFIDENCE

Provide consistent high-quality service to physicians, and reduce potential for errors.

- Error-proof design elements suitable for your busy lab
- Results backed by proven technology and innovative design
- Tools that allow data quality and peace of mind across systems, lab and networks



## OPERATIONAL PRODUCTIVITY

Address space limitations and increasing demand with increased throughput and capacity.

- Maximized throughput in a compact footprint
- Increased sample and reagent load-up capacity
- Continuous reagent access to ensure uninterrupted operation



## UNIFORMITY

Standardize operations across your lab and network, and optimize your resource utilization.

- User-driven design
- Intuitive user experience
- Easy-to-use graphical user interface that is common to all Alinity core lab products
- Single middleware system for integrating the laboratory



## FLEXIBILITY

Adapt to day-to-day and long-term unpredictability of changing testing volumes.

- Scalable design
- Bi-directional Conveyor
- Connectivity to laboratory automation systems and AlinIQ

## HARMONIZED SYSTEMS ACROSS ALL KEY LABORATORY DISCIPLINES



## Hematology systems streamlined to transform your laboratory.

The Alinity h-series consists of compact, scalable systems that maximize throughput and efficiency, making your high-performing laboratories run at their best, today and into the future. As part of the Alinity family of systems, the integrated design delivers uniformity of process throughout the diagnostic laboratory, simplifying sample introduction, system notifications and reagent management.



### Alinity hq

An automated hematology analyzer that uses only 3 reagents to deliver a Complete Blood Count (CBC) with a 6-part White Blood Cell (WBC) differential.



### Alinity hs

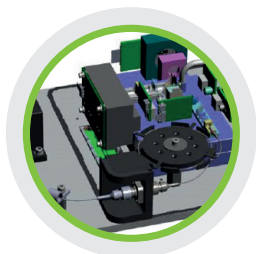
An integrated slide maker and stainer with pre-configured and customizable staining protocols to meet the preferences of your laboratory.

# Performance that comes from a legacy of innovative designs.

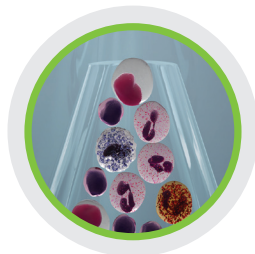


The Alinity hq system delivers a CBC with a 6-part WBC differential and optical platelets (PLT) with every CBC using advanced Multi Angle Polarized Scatter Separation (MAPSS) technology. Hemoglobin is measured using spectrophotometry.

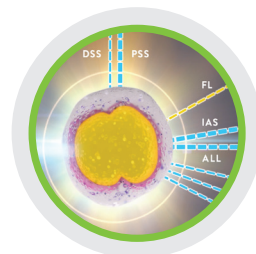
Advanced MAPSS technology collects and analyzes up to 750,000 events across eight detectors. This information is analyzed by an algorithm utilizing a multi-paradigm numerical computer tool, a machine-learning cell classifier, a Gaussian Mixture Model (GMM) and Graph Adaptive Clustering (GAC). This advancement in cellular analysis for hematology improves differentiation of the WBC, Red Blood Cells (RBC) and PLT as they pass through the flow cell.



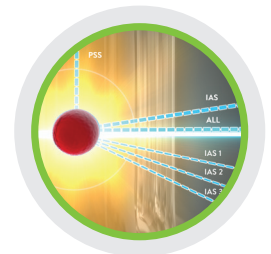
Alignment-free optical bench with a blue diode laser



Optical flow cell with hydrodynamic focusing of the cell stream



Information gathered from 8 detectors are used to generate every CBC result



Optical RBC and PLT analysis uses 6 angles of light scatter for improved detection

## Simplicity built in. Streamlined for your laboratory.

### LOCAL USER INTERFACE

Intuitive touchscreen to enable module-specific interactions.

### SYSTEM CONTROL CENTER

Review results and control integrated system functions at a single point of interaction.

### INTUITIVE INDICATORS

Display and monitor system lane status.

### CUSTOMIZABLE SOFTWARE

Maximize efficiency with customizable report views, system rules and stain protocols to meet your laboratory's needs.

### HIGH LOAD UP CAPACITY

Load up to 120 samples per Alinity hq and 80 samples per Alinity hs.

### PRIORITY SAMPLE PROCESSING

Run open tubes in any lane and assign one or more lanes as STAT lanes based on your workflow.

### SAMPLE LOADING FLEXIBILITY

Load samples from both the front of the system and from a laboratory automation system.

### HANDS-OFF MAINTENANCE

Schedule automated daily and weekly cleaning cycles at your convenience.

ACHIEVE MEASURABLY BETTER HEALTHCARE PERFORMANCE.

**Alinity** h-series

## Thoughtfully designed around the way you work.

When designing the Alinity h-series, we considered the tasks you perform everyday, including changing your reagents. The Alinity h-series includes multiple features to revolutionize reagent management in your laboratory, including:

- Fewer reagents with only 4 required per CBC+Diff+Retic
- Ergonomic 1L bottles and 10L cubitainers
- Duplicate reagents with on-the-fly reagent loading
- Unique lock and key caps with color coding to prevent loading errors





## Unified user interfaces and system behaviors built on user-focused design.

The integrated design of the Alinity systems delivers uniformity of processes throughout your laboratory. The system uses a common color scheme, icons and reagent management procedures, as well as intuitive user interfaces. These commonalities streamline cross-training and facilitate learning of basic daily operation procedures.



## Integration with AlinIQ AMS optimizes hematology workflow.



**FASTER  
TURNAROUND TIME**



**IMPROVE  
STAFF PRODUCTIVITY**



**STANDARDIZE  
RESULTS REVIEW**



**WORKFLOW  
FLEXIBILITY**

## AlinIQ AMS

AlinIQ AMS (Analyzer Management System) is an open, scalable middleware solution designed to optimize your hematology workflow. Configurable dashboards bring together all patient result information onto one screen, including current and historical results, automated and manual differentials, scatterplots and morphological results and comments. AlinIQ AMS helps standardize patient result management throughout your laboratory.

### AlinIQ AMS CATEGORIES OF FUNCTIONALITY

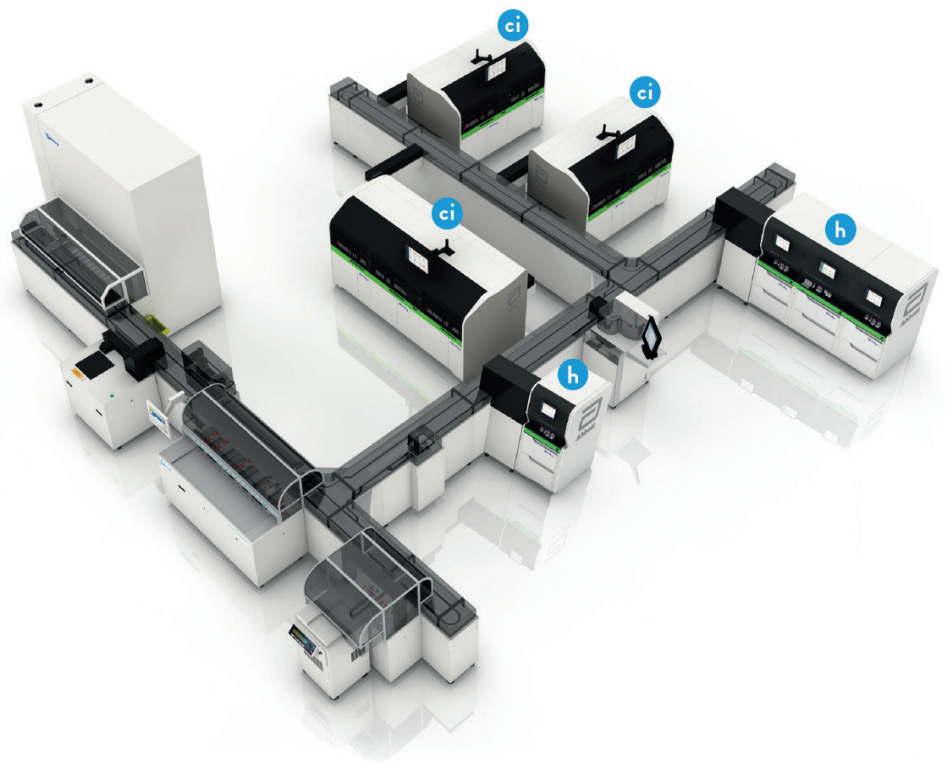
- **Test Management:** Hematology result views and rules for consistent result management
- **Sample Management:** Monitor steps in the sample workflow and tube logistics between facilities
- **Historical Reports:** Better understand and manage laboratory performance
- **Equipment Management:** Centralize the monitoring and control of analyzers
- **Quality Management:** Tools designed to help with ISO 17025 compliance



# Alinity h-series delivers unprecedented integration of workflows for your hematology laboratory.

The Alinity h-series provides a customizable and scalable solution to meet your laboratory's evolving needs. It utilizes a built-in bi-directional conveyor to transport samples between modules, enabling an automated solution with single or dual analyzers with slide maker stainer.

For laboratories needing further automation, the Alinity h-series connects seamlessly with the ACCELERATOR a3600 laboratory automation system and AlinIQ enablers, maximizing efficiency through consistent, predictable sample management across the laboratory.



## Alinity h-series

MULTIPLE CONFIGURATIONS AVAILABLE TO ADAPT TO YOUR LABORATORY



Alinity hq



Alinity hq-hq



Alinity hq-hs



Alinity hq-hs-hq

## ABBOTT DIAGNOSTICS

# Achieve measurably better healthcare performance with our personalized solutions.

We've re-engineered our entire organization to support you and your changing needs, helping you achieve measurably better healthcare performance with our personalized solutions:



### RESOURCEFUL ADVOCATES

Expert teams take a holistic, enterprise-level view to develop personalized solutions for your lab.



### HARMONIZED SYSTEMS

A harmonized family of innovative systems, assays, informatics and automation solutions streamline your lab operations.



### INTELLIGENT INSIGHTS

A suite of professional services, supported by informatics enablers, unlocks intelligent insights from your valuable data.

## HARMONIZED SYSTEMS

# Alinity—a unified, holistic family of systems delivering unprecedented integration.



**UNIFORMITY**  
across the laboratory



**FLEXIBILITY**  
to adapt to a changing environment



**OPERATIONAL PRODUCTIVITY**  
to improve performance and workflow



**CONFIDENCE**  
in systems and performance



\* Alinity hq, Alinity hs and Alinity m are commercially available in select countries, not including the US. For illustrative purposes only.



ACHIEVE MEASURABLY BETTER HEALTHCARE PERFORMANCE. **Alinity** h-series



## YOUR PERSONALIZED SOLUTION

Choose tomorrow's approach today.  
Alinity h-series adapts to your laboratory's needs, allowing you to achieve measurably better healthcare performance.

# Alinity

---

## h-series

## CHOOSE TRANSFORMATION™

Achieve measurably better healthcare performance.  
[www.corelaboratory.abbott/alinity](http://www.corelaboratory.abbott/alinity)

Alinity hq is a Class I laser product. For *in vitro* diagnostic use.  
Alinity h-series is available in select countries, not including the US.  
Alinity, AlinIQ and Choose Transformation are trademarks of Abbott Laboratories in various jurisdictions.

©2017, 2020 Abbott Laboratories. ADD-00061206 EN.

