



Designed to reach and beyond



Simplify your processes while elevating your productivity

Systems developed with three principles in mind:

True Family Commonality

- · Equivalent patient results
- Identical software
- Universal ARCHITECT sample carrier

Integration Without Compromise

- Seamless integration of clinical chemistry and immunoassay
- Excellent STAT turnaround time
- No clinically significant sample-to-sample carryover

Enhanced System and Assay Dynamics

- Excellent low-end sensitivity and expanded dynamic range
- Extended linear ranges
- Clot, bubble and insufficient sample volume detection

Immunochemistry Systems



Immunochemistry Assays

General chemistries Specific proteins Special chemistries TDMs DOAs Cardiac Hepatitis Retrovirus Cancer Thyroids Metabolic Fertility

*In development

Abbott Diagnostics

partners with your laboratory to provide solutions that allow you to:

Improve patient care

Increase efficiency

Meet increasing demands with declining resources

is a global leader in the diagnostics market:

11 manufacturing locations

6 R&D locations

Customers in 130+ countries

provides a comprehensive portfolio of solutions to address your needs:

 Process
Improvement
 Analytics
 Informatics
 Physical
Automation
 Full
Automation

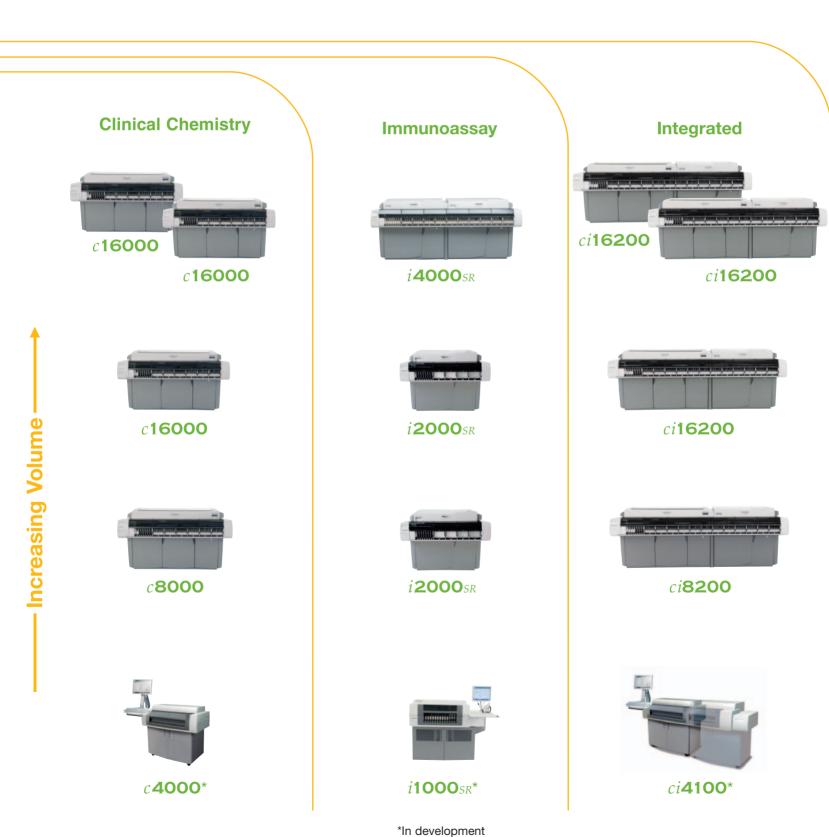


AxSYM

CCELERATOR

True Family Commonality

The ARCHITECT family delivers advanced technology with a simple and consistent user experience



ARCHITECT

Equivalent patient results

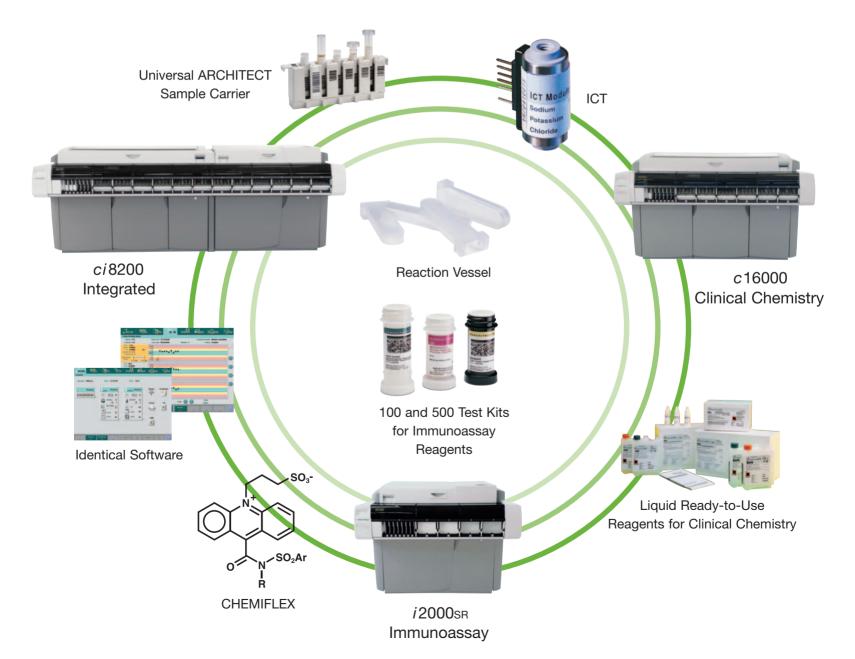
Identical technology, reagents and assay protocols generate patient results that are equivalent from system to system.

Identical software

ARCHITECT offers identical software across the entire family of instrumentation.

Universal ARCHITECT sample carrier

A universal sample carrier and common reagent packs are utilized on all ARCHITECT systems.



Integration Without Compromise

ARCHITECT integration of clinical chemistry and immunoassay testing delivers excellent STAT turnaround time while ensuring no clinically significant sample-to-sample carryover



*ci*16200



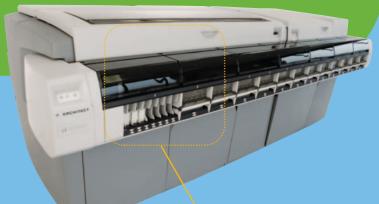
Robotic Sample Handler (RSH)



transports samples



time regardless of routine workload





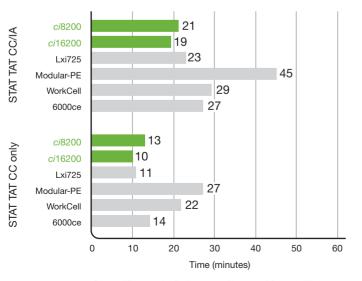
samples at all times

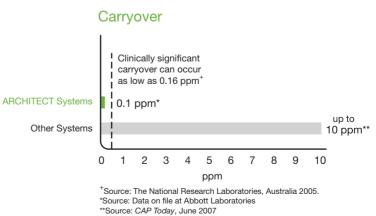
Excellent STAT turnaround time

Fastest turnaround time and total throughput in an independent study of comparable analyzers.

No clinically significant sample-to-sample carryover

SmartWash technology ensures <0.1 ppm carryover while reducing sample volume requirements.





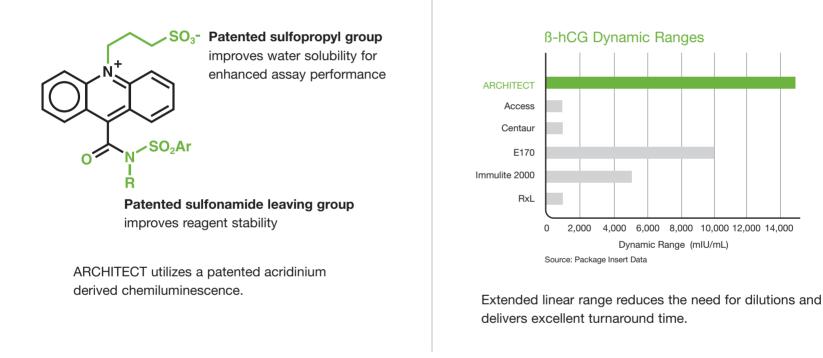
Source: "Comparative Performance of Integrated Systems When Challenged to Complete Standard Workload of STAT and Routine Specimens", EAC, Enterprise Analysis Corp., Stamford, CT, 2007.

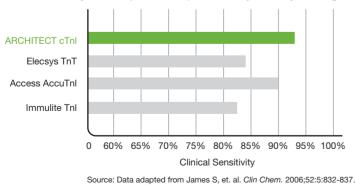
Enhanced System and Assay Dynamics

Abbott's patented technologies deliver excellent sensitivity and extended dynamic ranges for better patient care and improved cost efficiencies

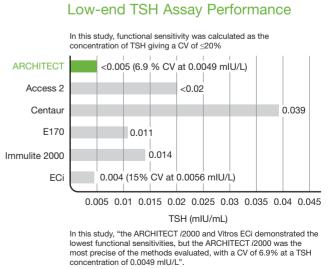
CHEMIFLEX

ARCHITECT utilizes a unique combination of refined chemiluminescence detection technology with flexible assay protocols. CHEMIFLEX, when combined with optimized assay design, provides enhanced assay performance.





In this study, the choice of antibodies demonstrates a great impact on the clinical performance of cTn assays.



Source: Rawlins ML, Roberts WL. Clin Chem 2004;50:2338 - 2344.

"...ARCHITECT *i*2000 was the most precise of the methods evaluated..."

Clinical Sensitivity of Troponin Impacted by Assay Design

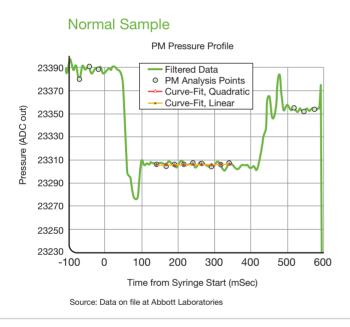


Integrated Chip Technology (ICT)

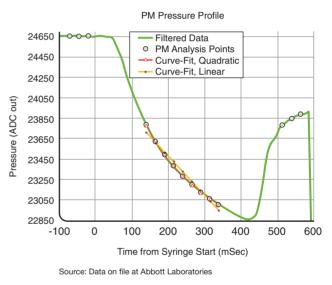
Only 15 μ L of sample is required to generate Na⁺, K⁺ and Cl⁻ results with CVs of 1.0% or less. Each module delivers 45,000 determinations and maintenance is automated.

Liquid-level sensing and clot detection

Pressure differential technology accurately distinguishes between a normal sample, a bubble and a clot. ARCHITECT software notifies the operator while the instrument attempts to remove a clot and clear the probe.



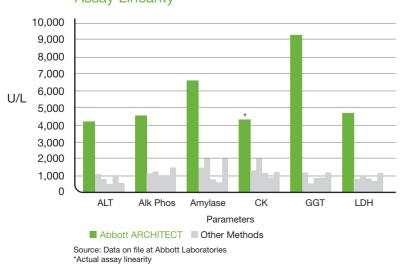
Soft Clot



FlexRate

Extends the linear ranges of enzyme assays for better first-time results and fewer reruns.

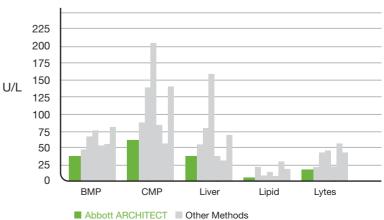
Assay Linearity



Small Sample Volumes

Sample volumes as low as 2 μL and an average sample volume of 7 μL are ideal for pediatric and geriatric testing.

Sample Volume



Source: Data on file at Abbott Laboratories

Automation

ACCELERATOR – automation solutions that offer you the power of choice



PREANALYTIC WORKCELL Automates front-end processes



ARCHITECT WORKCELL Connects multiple ARCHITECT instruments



CONFIGURABLE WORKCELLS

Designed to meet unique customer needs

ARCHITECT Immunochemistry Solutions Summary

True Family Commonality

- Equivalent patient results
- Identical software
- Universal ARCHITECT sample carrier

Integration Without Compromise

- Seamless integration of clinical chemistry and immunoassay
- RSH delivers excellent and consistent STAT turnaround time
- SmartWash ensures no clinically significant sample-to-sample carryover

Enhanced System and Assay Dynamics

- CHEMIFLEX provides excellent low-end sensitivity and expanded dynamic ranges
- FlexRate delivers extended linear ranges for enzyme assays
- Pressure differential technology detects clots, bubbles and insufficient sample volume

Business Card	

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*In development

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