

# Chemistry Analyzers Survey '10

## Abbott Laboratories

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1) What is the name of your company's chemistry analyzer product or product line?

ARCHITECT family of analyzers: ARCHITECT c4000; ARCHITECT c8000; and ARCHITECT c16000

Liasys Clinical Chemistry System

STAT FAX 4500, STAT FAX 1904, STAT FAX 3300, ChemWell 2910

Nova Electrolyte/Chemistry Analyzers: Nova 8 and Nova 16

2) What does this product detect?

Automated detection and monitoring of basic metabolic panel, comprehensive metabolic panel, general chemistry analytes as well as drugs of abuse, specific proteins, metabolic functions, hepatic function, special chemistries, and therapeutic drug monitoring using human serum, plasma, or urine specimens.

Routine and general chemistries, electrolytes, enzyme, lipid, anemia, diabetic, specialty, immunochemistry assays, and DoA. Open channels available on request.

Semi and fully automated biochemistry analyzers. ChemWell 2910 measures both biochemistry and EIA on one platform.

Nova 8: Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>++</sup>, pH, Mg<sup>++</sup>, HCT; Nova 16: Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, TCO<sub>2</sub>, BUN, Crea, HCT

3) This product is used in:

a hospital or other large laboratory  
 a physician's office  
 at the point of care  
 other

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 other

4) Please explain "other"

Research, small clinics and labs

5) Intended volume use:

Ordinarily the ARCHITECT c16000 is used in high-volume settings; ARCHITECT c8000 is a great fit in medium- to high-volume settings; and ARCHITECT c4000 is ideal for low- to medium-volume labs.

From 10 to 50 patients per day

Small to large volume

Medium to low volume

6) What is the throughput, under ideal conditions?

The ARCHITECT c4000 has a throughput of 400 tests per hour; the ARCHITECT c8000 has a throughput of 800 tests per hour; and the ARCHITECT c16000 has a throughput of 1,600 tests per hour.

330 Tests per hour

ChemWell: up to 200 test results per hour

45 to 65 samples per hour

7) Are there any automation options?

Abbott Accelerator is the front end automation for Abbott ARCHITECT. The ARCHITECT family of analyzers has the ability to connect to a front end and back end automation that provides input / output module, centrifugation, automated de-capper, and storage units.

N/A

Yes

Self-calibration; optional 40-position auto-sampler tray; abnormal and panic range flagging; and auto-repeat measurement

8) How long does it take to train a tech on the instrument?

Operators are trained at Abbott Laboratories facilities during a 5-day training course. On-site training is also an option for customers who prefer local training.

From 2 to 3 hours on the analyzer itself

2 hours

Minimal training required; personnel trained on-site during installation. The company also has a technical support department.

9) What is the product's price range?

The c4000 list price is \$180,000; the c8000 list price is \$225,000; the c16000 list price is \$325,000. Pricing is subject to contractual terms and discounts.

From \$33,000 to \$37,000 depending on options. AMS extended warranty plans available.

Base price is \$25,000

Contact company

10) For controls, which analyzers can this product be used with?

The company has exclusive agreement with Bio-Rad, but the analyzers can accommodate running of any type of control material.

Open system instruments

11) What differentiates this product from others on the market?

Report STAT results quickly using dedicated positions on a three-dimensional sample handler; reduce repeats and reruns with FlexRate technology that extends linear ranges of enzymatic assays; standardize processes through equivalent patient results and common consumables across all ARCHITECT c systems; improve workflow efficiency with a large load up capacity for samples and refrigerated reagents.

QC monitored reaction cuvette washing system; durable reaction cuvettes; graphical intuitive user interface; does not require dedicated DI water supply; ease of use; mean time between failures: 11 months.

Open system, inexpensive, durable, dual use as biochemistry and EIA on one platform.

Whole blood analyzer for creatinine and TCO<sub>2</sub>; can analyze whole blood, serum, plasma, urine, CSF, and dialysate

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VITROS® 350 Chemistry System	VITROS 5,1 FS Chemistry System	VITROS 5600 Integrated System	Sirrus Chemistry Analyzer	KRYPTOR compact
<p>General chemistry instrument ideal for primary, STAT, or back-up needs. With more than 40 on-board assays, simple procedures allow for walkaway operation.</p>	<p>High-capacity chemistry system with parallel processing for routine and specialty chemistry testing, including therapeutic drug monitoring and drugs-of-abuse testing.</p>	<p>High-capacity, high-throughput system integrates more than 120 clinical chemistry, routine immunoassay, and infectious disease assays on a single platform with optimized throughput and turnaround time.</p>	<p>Routine chemistries, immunoassays, and proteins</p>	<p>Procalcitonin (PCT). Also Copeptin (CTproAVP), MRproADM, MRproANP, and CTproET1 for research use only.</p>
<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> a hospital or other large laboratory</li> <li><input checked="" type="checkbox"/> a physician's office</li> <li><input type="checkbox"/> at the point of care</li> <li><input type="checkbox"/> other</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> a hospital or other large laboratory</li> <li><input type="checkbox"/> a physician's office</li> <li><input type="checkbox"/> at the point of care</li> <li><input type="checkbox"/> other</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> a hospital or other large laboratory</li> <li><input type="checkbox"/> a physician's office</li> <li><input type="checkbox"/> at the point of care</li> <li><input type="checkbox"/> other</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> a hospital or other large laboratory</li> <li><input checked="" type="checkbox"/> a physician's office</li> <li><input type="checkbox"/> at the point of care</li> <li><input checked="" type="checkbox"/> other</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> a hospital or other large laboratory</li> <li><input type="checkbox"/> a physician's office</li> <li><input type="checkbox"/> at the point of care</li> <li><input type="checkbox"/> other</li> </ul>
			<p>Research, universities, and teaching programs</p>	
Low- to mid-volume laboratories	Mid- to high-volume laboratories	Mid- to high-volume laboratories	The analyzer is rated at 400 tests per hour	Intermediate or variable
<p>Maximum theoretical throughput is 300 tests per hour; actual throughput will vary by test mix.</p>	<p>Maximum theoretical throughput is 895 tests per hour; actual throughput will vary by test mix.</p>	<p>Maximum theoretical throughput is up to 945 tests per hour; actual throughput will vary by test mix.</p>	<p>Under routine conditions, the throughput is approximately 330 tests per hour.</p>	40 tests per hour
<p>Yes, enGen™ automation system and any open point-in-space systems</p>	<p>Yes, enGen automation system and any open point-in-space systems</p>	<p>Yes, enGen automation system</p>	No	N/A
<p>Four days at Rochester, NY training facility. On-site and online training for all laboratory staff.</p>	<p>Five days at Rochester, NY training facility. On-site and online training for all laboratory staff.</p>	<p>Five days at Rochester, NY training facility. On-site and online training for all laboratory staff.</p>	<p>The company provides 3 days of in-house training.</p>	<p>Operator training is conducted over a 2-day period. Each day's training is approximately 5 to 6 hours.</p>
<p>List Price: \$110,000. Financing options available</p>	<p>List Price: \$225,000. Financing options available.</p>	<p>List Price: \$410,000. Financing options available.</p>	Contact company	\$60,000 to \$75,000
N/A	N/A	N/A	<p>Stanbio's Ser-T-Fy Level 1 &amp; 2 are general-purpose chemistry controls.</p>	N/A
<p>MicroSlide technology delivers low CPRR, maintenance and preparation, and minimized HIT interferences. No plumbing, drains, or external water required; daily QC; calibration interval up to lot change.</p>	<p>VITROS technologies deliver low CPRR, maintenance and preparation, and minimized HIT interferences. No plumbing, drains, or external water required; e-Connectivity® available.</p>	<p>Add/remove reagents, consumables, and waste while operating; VITROS technologies deliver low maintenance and minimized HIT interferences; no plumbing or external water required; e-Connectivity available.</p>	<p>Analyzer incorporates proprietary mixing system and special detergents to minimize carryover. The company provides a complete line of liquid, ready-to-use reagents for all routine assays.</p>	<p>The KRYPTOR classical is available outside the United States.</p>