



# ARCHITECT

## ARCHITECT *ci* System Specifications

- True Family Commonality
- Integration Without Compromise
- Enhanced System and Assay Dynamics

Refer to the ARCHITECT System Operations Manual for operational precautions, limitations and hazards. Manuals can be found on [www.corelaboratory.abbott](http://www.corelaboratory.abbott)

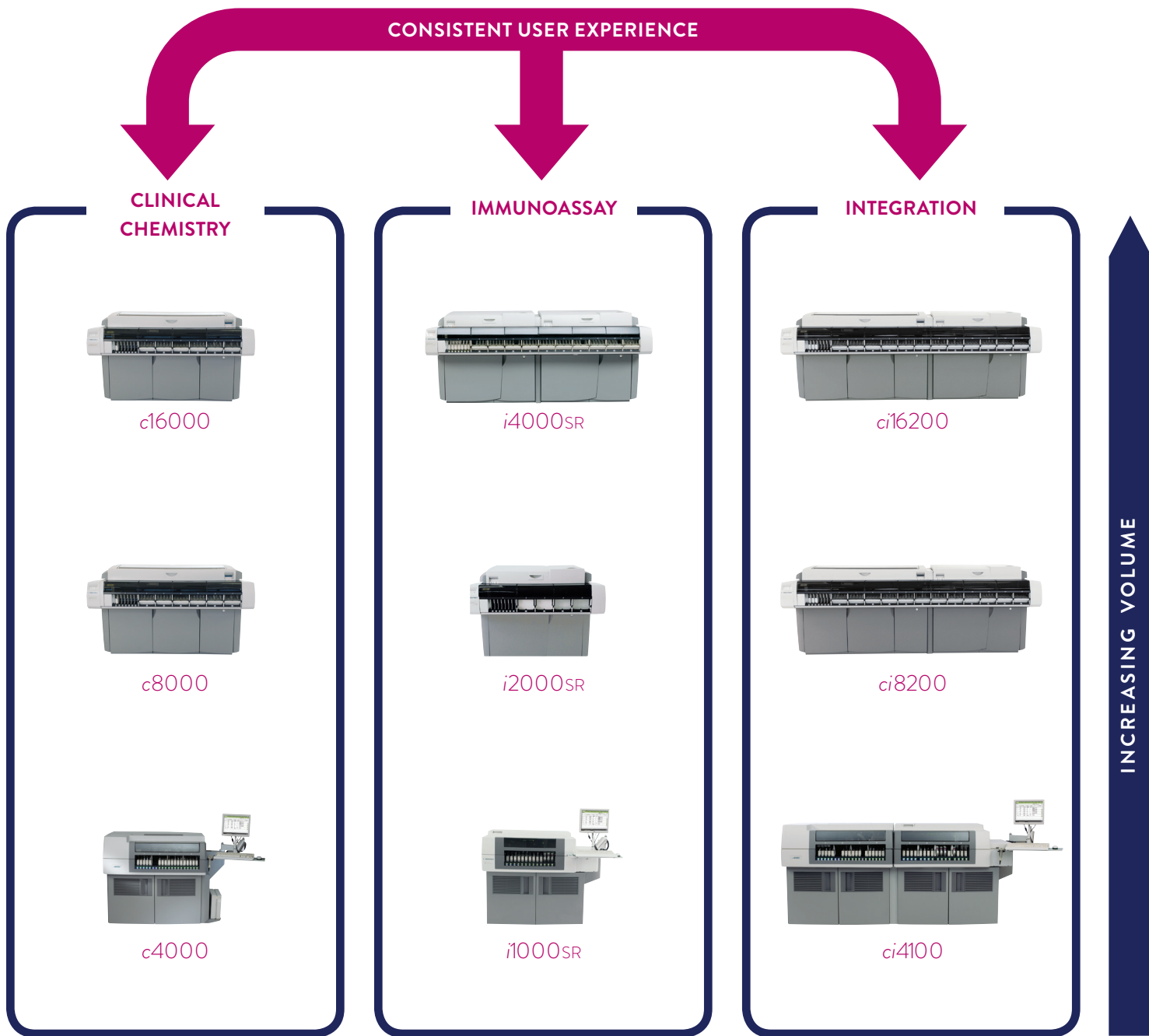
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# True family commonality.

The ARCHITECT family delivers advanced technology, with a simple and consistent user experience. Abbott offers true family commonality across multiple platform combinations for all your laboratory's needs while maximizing ease of use through common reagent sharing, sample carriers, software and instrument consumables.



	<b>c4000</b>	<b>c8000</b>	<b>c16000</b>
<b>Feature</b>	Photometric, Potentiometric, Turbidimetric	Photometric, Potentiometric, Turbidimetric	Photometric, Potentiometric, Turbidimetric
<b>Maximum Throughput</b>	Up to 800 tests/hour	Up to 1,200 tests/hour	Up to 1,800 tests/hour
<b>Sample Types</b>	Serum, Plasma, Whole Blood, Urine, CSF	Serum, Plasma, Whole Blood, Urine, CSF	Serum, Plasma, Urine, CSF
<b>Sample Tubes</b>	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm
<b>Sample Cup (Dead Volume)</b>	Yes (50 µL)	Yes (50 µL)	Yes (50 µL)
<b>Sample Capacity</b>	100	215	215
<b>Sample Barcode Types</b>	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128
<b>Sample Result Storage</b>	50,000	50,000	50,000
<b>Sample Volume</b>	1.5–35 µL Average: 7 µL	1.5–35 µL Average: 7 µL	1.5–35 µL Average: 7 µL
<b>Automatic Dilution</b>	Yes	Yes	Yes
<b>Sample Probe Carryover</b>	<1000 ppm WB to WB ≤0.1 ppm WB to Serum	<1000 ppm WB to WB ≤0.1 ppm WB to Serum	≤0.1 parts per million
<b>Assays Capacity Onboard</b>	55 plus patented ISE (Na <sup>+</sup> , K <sup>+</sup> , and Cl <sup>-</sup> )	65 plus patented ISE (Na <sup>+</sup> , K <sup>+</sup> , and Cl <sup>-</sup> )	65 plus patented ISE (Na <sup>+</sup> , K <sup>+</sup> , and Cl <sup>-</sup> )
<b>Reagent Type</b>	>97% liquid ready-to-use	>97% liquid ready-to-use	>97% liquid ready-to-use
<b>Reagent Onboard Stability</b>	5–65 days Average: 37 days	5–65 days Average: 37 days	5–65 days Average: 37 days
<b>Calibration Frequency</b>	1–60 days Average: 25 days	1–60 days Average: 25 days	1–60 days Average: 25 days
<b>Sample, Clot and Bubble Detection</b>	Yes	Yes	Yes
<b>Reagent Pressure Monitoring</b>	Yes	No	Yes
<b>Sample Interference Measurement</b>	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia
<b>System Control Center</b>	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse
<b>Onboard Maintenance Records</b>	Yes	Yes	Yes
<b>Online Error Code Help</b>	Yes	Yes	Yes
<b>Host Interface</b>	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available
<b>Remote Diagnostics</b>	AbbottLink	AbbottLink	AbbottLink
<b>Dimension (H x W x D)</b>	49" x 63" x 36" 125.1 x 160 x 90.7 cm	48" x 79" x 49" 121.9 x 200.6 x 124.5 cm	48" x 79" x 49" 121.9 x 200.6 x 124.5 cm
<b>Weight</b>	1,132 lbs 513.5 Kg	1,425 lbs 646.4 Kg	1,545 lbs 701 Kg
<b>Electrical Requirements</b>	AC 180–264V, 47–63 Hz, 20 amp	AC 180–264V, 47–63 Hz, 20 amp	AC 180–264V, 47–63 Hz, 20 amp
<b>Water Requirements</b>	Deionized water 15 liters/hour during normal operation, 25 liters/hour maximum	Deionized water 25 liters/hour during normal operation	Deionized water ≤54 liters/hour during normal operation
<b>Heat Output*</b>	3050 BTU/hr, running mode	3400 BTU/hr, running mode	4730 BTU/hr, running mode
<b>Sample Loading</b>	RSH	RSH + Carousel	RSH + Carousel

\*Values provided represent the typical output in "Running" mode for the system processing module and sample handler. A maximum value of 389 BTU/hr was obtained for the System Control Center (SCC) using the i2000SR as a representative system. Values obtained during an internal study. Data is on file with Abbott Diagnostics.

# ARCHITECT™ | Distinguishing features of the ARCHITECT

i1000SR, i2000SR, i4000SR systems

	<b>i1000SR</b>	<b>i2000SR</b>	<b>i4000SR</b>
<b>Feature</b>	CHEMIFLEX	CHEMIFLEX	CHEMIFLEX
<b>Maximum Throughput</b>	Up to 100 tests/hour	Up to 200 tests/hour	Up to 400 tests/hour
<b>Sample Types</b>	Serum, Plasma, Whole Blood, Urine	Serum, Plasma, Whole Blood, Urine	Serum, Plasma, Whole Blood, Urine
<b>Sample Tubes</b>	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm
<b>Sample Cup (Dead Volume)</b>	Yes (50 µL)	Yes (50 µL dead volume)	Yes (50 µL dead volume)
<b>Sample Capacity</b>	65	135	285
<b>Sample Barcode Types</b>	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128
<b>Sample Result Storage</b>	50,000	50,000	50,000
<b>Sample Volume</b>	10–160 µL Average: 62 µL	10–150 µL Average: 57 µL	10–150 µL Average: 57 µL
<b>Automatic Dilution</b>	Yes	Yes	Yes
<b>Sample Probe Carryover</b>	≤0.1 parts per million	≤0.1 parts per million	≤0.1 parts per million
<b>Assays Capacity Onboard</b>	25	25	50
<b>Reagent Type</b>	100% liquid ready-to-use	100% liquid ready-to-use	100% liquid ready-to-use
<b>Reagent Onboard Stability</b>	14-30 days	14-30 days	14-30 days
<b>Calibration Frequency</b>	Calibrate with new lot number, if controls are out of range or if specified otherwise within the package insert	Calibrate with new lot number, if controls are out of range or if specified otherwise within the package insert	Calibrate with new lot number, if controls are out of range or if specified otherwise within the package insert
<b>Sample, Clot and Bubble Detection</b>	Yes	Yes	Yes
<b>Reagent Pressure Monitoring</b>	Yes	Yes	Yes
<b>Sample Interference Measurement</b>	No	No	No
<b>System Control Center</b>	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse
<b>Onboard Maintenance Records</b>	Yes	Yes	Yes
<b>Online Error Code Help</b>	Yes	Yes	Yes
<b>Host Interface</b>	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available
<b>Remote Diagnostics</b>	AbbottLink	AbbottLink	AbbottLink
<b>Dimension (H x W x D)</b>	49" x 59" x 30" 124.5 x 149.9 x 76.2 cm	48" x 61" x 49" 121.9 x 154.9 x 124.5 cm	48" x 127" x 49" 121.9 x 322.6 x 124.5 cm
<b>Weight</b>	636 lbs 288 Kg	1,081 lbs 490.3 Kg	2,162 lbs 980.7 Kg
<b>Electrical Requirements</b>	AC 110–120V or 200–240V, ±10%, 50 or 60 Hz self-adjusting	AC 180–264V, 47–63 Hz,	AC 180–264V, 47–63 Hz
<b>Water Requirements</b>	Purified water to dilute buffer concentrate	Purified water to dilute buffer concentrate	Purified water to dilute buffer concentrate
<b>Heat Output*</b>	2400 BTU/hr, running mode	4280 BTU/hr, running mode	See i2000SR specifications
<b>Sample Loading</b>	RSH	RSH	RSH

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	<b>ci4100</b>	<b>ci8200</b>	<b>ci16200</b>
<b>Feature</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Maximum Throughput</b>	Up to 900 tests/hour	Up to 1,400 tests/hour	Up to 2,000 tests/hour
<b>Sample Types</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Sample Tubes</b>	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm
<b>Sample Cup (Dead Volume)</b>	Yes (50 µL dead volume)	Yes (50 µL dead volume)	Yes (50 µL dead volume)
<b>Sample Capacity</b>	180	365	365
<b>Sample Barcode Types</b>	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128
<b>Sample Result Storage</b>	50,000	50,000	50,000
<b>Sample Volume</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Automatic Dilution</b>	Yes	Yes	Yes
<b>Sample Probe Carryover</b>	≤0.1 parts per million	≤0.1 parts per million	≤0.1 parts per million
<b>Assays Capacity Onboard</b>	80 plus patented ISE (Na <sup>+</sup> , K <sup>+</sup> , and Cl <sup>-</sup> )	90 plus patented ISE (Na <sup>+</sup> , K <sup>+</sup> , and Cl <sup>-</sup> )	90 plus patented ISE (Na <sup>+</sup> , K <sup>+</sup> , and Cl <sup>-</sup> )
<b>Reagent Type</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Reagent Onboard Stability</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Calibration Frequency</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Sample, Clot and Bubble Detection</b>	Yes	Yes	Yes
<b>Reagent Pressure Monitoring</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Sample Interference Measurement</b>	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia
<b>System Control Center</b>	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse
<b>Onboard Maintenance Records</b>	Yes	Yes	Yes
<b>Online Error Code Help</b>	Yes	Yes	Yes
<b>Host Interface</b>	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available
<b>Remote Diagnostics</b>	AbbottLink	AbbottLink	AbbottLink
<b>Dimension (H x W x D)</b>	49" x 111" x 36" 125.1 x 281.2 x 90.7 cm	48" x 127" x 49" 121.9 x 322.6 x 124.5 cm	48" x 127" x 49" 121.9 x 322.6 x 124.5 cm
<b>Weight</b>	1,677 lbs 760.7 Kg	2,447 lbs 1109.9 Kg	2,679 lbs 1215 Kg
<b>Electrical Requirements</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Water Requirements</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Heat Output*</b>	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
<b>Sample Loading</b>	RSH	RSH + Carousel	RSH + Carousel

\*Values provided represent the typical output in "Running" mode for the system processing module and sample handler. A maximum value of 389 BTU/hr was obtained for the System Control Center (SCC) using the i2000SR as a representative system. Values obtained during an internal study. Data is on file with Abbott Diagnostics.

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