



ARCHITECT

ARCHITECT Specifications

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

Refer to the Operations Manual for operational precautions, limitations and hazards. Manuals can be found on www.abbottdiagnostics.com

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	c4000	c8000	c16000	i1000SR
Methods	Photometric, Potentiometric, Turbidimetric	Photometric, Potentiometric, Turbidimetric	Photometric, Potentiometric, Turbidimetric	CHEMIFLEX
Maximum Throughput	Up to 800 tests/hour	Up to 1,200 tests/hour	Up to 1,800 tests/hour	Up to 100 tests/hour
Sample Types	Serum, Plasma, Whole Blood, Urine, CSF	Serum, Plasma, Whole Blood, Urine, CSF	Serum, Plasma, Urine, CSF	Serum, Plasma, Whole Blood, Urine
Sample Tubes	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	Height: 72–102 mm Diameter: 9.6–16.1 mm
Sample Cup	Yes (50 µL dead volume)	Yes (50 µL dead volume)	Yes (50 µL dead volume)	Yes (50 µL dead volume)
Sample Capacity	100	215	215	65
Sample Barcode Types	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	Code 39, Codabar, Interleaved 2 of 5, Code 128
Sample Result Storage	50,000	50,000	50,000	50,000
Sample Volume	1.5–35 µL Average: 6 µL	1.5–35 µL Average: 6 µL	1.5–35 µL Average: 6 µL	10–150 µL Average: 62 µL
Automatic Dilution	Yes	Yes	Yes	Yes
Sample Probe Carryover	<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	≤0.1 parts per million
Reagent Capacity	Up to 90 refrigerated positions plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻)	Up to 121 refrigerated positions plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻)	Up to 130 refrigerated positions plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻)	25 refrigerated positions
Reagent Type	>95% liquid ready-to-use	>95% liquid ready-to-use	>95% liquid ready-to-use	100% liquid ready-to-use
Reagent Onboard Stability	5–65 days Average: 40 days	5–65 days Average: 40 days	5–65 days Average: 40 days	14–30 days
Calibration Frequency	1–60 days Average: 25 days	1–60 days Average: 25 days	1–60 days Average: 25 days	Calibrate with new lot number, if controls are out of range or if specified otherwise within the package insert
Sample, Clot and Bubble Detection	Yes	Yes	Yes	Yes
Reagent Pressure Monitoring	Yes	No	Yes	Yes
Sample Interference Measurement	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia	No
System Control Center	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	1 SCC, with color touchscreen monitor, keyboard, and mouse
Onboard Maintenance Records	Yes	Yes	Yes	Yes
Online Error Code Help	Yes	Yes	Yes	Yes
Host Interface	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	Bidirectional, serial RS-232 interface, host query option available
Remote Diagnostics	AbbottLink	AbbottLink	AbbottLink	AbbottLink
Dimension (H x W x D)	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	49" x 59" x 30" 124.5 x 149.9 x 76.2 cm
Weight	1,132 lbs 513.5 Kg	1,425 lbs 646.4 Kg	1,545 lbs 701 Kg	636 lbs 288 Kg
Electrical Requirements	AC 180–264V, 47–63 Hz, 20 amp	AC 180–264V, 47–63 Hz, 20 amp	AC 180–264V, 47–63 Hz, 20 amp	AC 110–120V or 200–240V, ±10%, 50 or 60 Hz self-adjusting
Water Requirements	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	Purified water to dilute buffer concentrate
Heat Output*	3050 BTU/hr, running mode	3400 BTU/hr, running mode	4730 BTU/hr, running mode	2400 BTU/hr, running mode
Sample Loading	RSH	RSH + Carousel	RSH + Carousel	RSH

*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.

i2000SR	i4000SR	ci4100	ci8200	ci16200
CHEMIFLEX	CHEMIFLEX	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
Up to 200 tests/hour	Up to 400 tests/hour	Up to 900 tests/hour	Up to 1,400 tests/hour	Up to 2,000 tests/hour
Serum, Plasma, Whole Blood, Urine	Serum, Plasma, Whole Blood, Urine	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
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	Height: 72–102 mm Diameter: 9.6–16.1 mm	Height: 72–102 mm Diameter: 9.6–16.1 mm
Yes (50 µL dead volume)	Yes (50 µL dead volume)	Yes (50 µL dead volume)	Yes (50 µL dead volume)	Yes (50 µL dead volume)
135	285	180	365	365
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	Code 39, Codabar, Interleaved 2 of 5, Code 128	Code 39, Codabar, Interleaved 2 of 5, Code 128
50,000	50,000	50,000	50,000	50,000
10–150 µL Average: 57 µL	10–150 µL Average: 57 µL	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
Yes	Yes	Yes	Yes	Yes
≤0.1 parts per million	≤0.1 parts per million	≤0.1 parts per million	≤0.1 parts per million	≤0.1 parts per million
25 refrigerated positions	50 refrigerated positions	Up to 115 refrigerated positions plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻)	Up to 146 refrigerated positions plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻)	Up to 155 refrigerated positions plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻)
100% liquid ready-to-use	100% liquid ready-to-use	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
14–30 days	14–30 days	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
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	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
Yes	Yes	Yes	Yes	Yes
Yes	Yes	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
No	No	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia	Yes, hemolysis, icterus, and lipemia
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	1 SCC, with color touchscreen monitor, keyboard, and mouse	1 SCC, with color touchscreen monitor, keyboard, and mouse
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
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	Bidirectional, serial RS-232 interface, host query option available	Bidirectional, serial RS-232 interface, host query option available
AbbottLink	AbbottLink	AbbottLink	AbbottLink	AbbottLink
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	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
1,081 lbs 490.3 Kg	2,162 lbs 980.7 Kg	1,677 lbs 760.7 Kg	2,447 lbs 1109.9 Kg	2,679 lbs 1215 Kg
AC 180–264V, 47–63 Hz,	AC 180–264V, 47–63 Hz	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
Purified water to dilute buffer concentrate	Purified water to dilute buffer concentrate	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
4280 BTU/hr, running mode	See i2000SR specifications	See c4000 and i1000SR specifications	See c8000 and i2000SR specifications	See c16000 and i2000SR specifications
RSH	RSH	RSH	RSH + Carousel	RSH + Carousel

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