

Alinity



Alinity

ci-series

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

Alinity ci-series System Design Specifications

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Alinity c and Alinity i are not commercially available in the U.S.



| FEATURE | ALINITY c* | ALINITY i* | ALINITY ci* |
|--|--|--|---|
| Dimension (H x W x D) | 4.40 x 3.90 x 3.84 ft/14.98 ft ² | 4.40 x 3.90 x 3.84 ft/14.98 ft ² | 4.40 x 6.56 x 3.84 ft/25.17 ft ² |
| Methods | Photometric, Potentiometric  | Chemiluminescence | Photometric, Potentiometric, Chemiluminescence |
| Maximum Throughput | Up to 1350 TPH | Up to 200 TPH | Up to 1550 TPH |
| Throughput/ft ²  | Up to 90 TPH/ft ² | Up to 13 TPH/ft ² | Up to 62 TPH/ft ² |
| Scalability | Up to 4 modules controlled by one System Control Module (SCM)* | | |
| Continuous Access of Reagents, Calibrators, Controls and Consumables | | Yes | |
| Flexible Stat Options | Prioritize single rack as needed or configure multiple fixed positions | | |
| Sample Types  | Serum, plasma, urine, cerebrospinal fluid, hemolysate, whole blood | Serum, plasma, whole blood, urine | Serum, plasma, urine, cerebrospinal fluid, hemolysate, whole blood |
| Sample Capacity | 150 | 150 | 300 |
| Sample Bar Code Types | Code 128, Standard Code 39, Interleaved 2 of 5, Codabar | | |
| Sample Result Storage | 200,000 | | |
| Dead Volume | 50 µL (sample cup) | | |
| Sample Volume [†] | 1.5–35 µL | 2–200 µL |  Alinity c: 1.5–35 µL Alinity i: 2–200 µL |
| Sample Probe Carryover | ≤0.1 parts per million [‡] | | |
| Reagent Capacity | Up to 70 refrigerated reagent cartridges onboard plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻) | Up to 47 refrigerated reagent cartridges onboard | Up to 117 refrigerated reagent cartridges onboard plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻) |
| Reagent Type | 100% liquid ready-to-use | | |
| Reagent Onboard Stability [†] | 5–60 days | 15–30 days | For Alinity c: 5–60 days For Alinity i: 15–30 days |
| Automated Onboard Calibrators and Controls [†] | Yes | Yes (controls only) | Alinity c: Yes Alinity i: Yes (controls only) |
| Calibration Frequency [†]  | 1–60 days | 15–30 days | For Alinity c: 1–60 days For Alinity i: 15–30 days |
| Sample, Clot and Bubble Detection | | Yes | |
| Reagent Pressure Monitoring  | | Yes | |
| Sample Interference Measurement  | Yes; hemolysis, icterus, and lipemia | No | Yes; hemolysis, icterus, and lipemia (CC only) |
| On Board Maintenance Records | | Yes | |
| Online Error Code Help | | Yes | |
| Host Interface  | | HL7 or ASTM | |
| Remote Diagnostics | | AbbottLink | |
| Weight | 1566 lbs | 1373 lbs | 2552 lbs |
| Electrical Requirements | SCM: 90–264 V, 16 amp Each Instrument: 180–264 V, 16 amp | | |
| Water Requirements | Average: 27 L/hr Max [§] : <30 L/hr | Average: <10 L/hr Max [§] : <30 L/hr | Average: ≤37 L/hr Max [§] : <60 L/hr |
| Heat Output (processing) | Average 2005 Btu | Average 1634 Btu | Average 3639 Btu |
| Noise Level (1 m) | | Alinity c: 55.9 dBA Alinity i: 63.4 dBA | |
| Laboratory Automation Connection | ACCELERATOR a3600 | ACCELERATOR a3600 | In development |

*Not commercially available in the U.S.

TPH=tests per hour

† Assay dependent

‡ Excluding whole blood

§ Maximum of two minutes during the prime of the wash buffer dilution assembly

| FEATURE | ALINITY cc* | ALINITY ii* |
|--|---|--|
| Dimension (H x W x D) | 4.40 x 6.56 x 3.84 ft/25.17 ft ² | 4.40 x 6.56 x 3.84 ft/25.17 ft ² |
| Methods | Photometric, Potentiometric | Chemiluminescence |
| Maximum Throughput | Up to 2700 TPH | Up to 400 TPH |
| Throughput/ft ² | 107 TPH/ft ² | 16 TPH/ft ² |
| Scalability | Up to 4 modules controlled by one System Control Module (SCM)* | |
| Continuous Access of Reagents, Calibrators, Controls and Consumables | Yes | |
| Flexible Stat Options | Prioritize single rack as needed or configure multiple fixed positions | |
| Sample Types | Serum, plasma, urine, cerebrospinal fluid, hemolysate, whole blood | Serum, plasma, whole blood, urine |
| Sample Capacity | 300 | 300 |
| Sample Bar Code Types | Code 128, Standard Code 39, Interleaved 2 of 5, Codabar | |
| Sample Result Storage | 200,000 | |
| Dead Volume | 50 µL (sample cup) | |
| Sample Volume [†] | 1.5–35 µL | 2–200 µL |
| Sample Probe Carryover | ≤0.1 parts per million [†] | |
| Reagent Capacity | Up to 140 refrigerated reagent cartridges onboard plus patented ISE (Na ⁺ , K ⁺ , and Cl ⁻) | Up to 94 refrigerated reagent cartridges onboard |
| Reagent Type | 100% liquid ready-to-use | |
| Reagent Onboard Stability [†] | 5–60 days | 15–30 days |
| Automated Onboard Calibrators and Controls [†] | Yes | Yes (controls only) |
| Calibration Frequency [†] | 1–60 days | 15–30 days |
| Sample, Clot and Bubble Detection | Yes | |
| Reagent Pressure Monitoring | Yes | |
| Sample Interference Measurement | Yes; hemolysis, icterus, and lipemia | No |
| On Board Maintenance Records | Yes | |
| Online Error Code Help | Yes | |
| Host Interface | HL7 or ASTM | |
| Remote Diagnostics | AbbottLink | |
| Weight | 2746 lbs | 2356 lbs |
| Electrical Requirements | SCM: 90–264 V, 16 amp Each Instrument: 180–264 V, 16 amp | |
| Water Requirements | Average: ≤54 L/hr Max [§] : <60 L/hr | Average: ≤20 L/hr Max [§] : ≤60 L/hr |
| Heat Output (processing) | Average 4010 Btu | Average 3268 Btu |
| Noise Level (1 m) | Alinity c: 55.9 dBA Alinity i: 63.4 dBA | |
| Laboratory Automation Connection | ACCELERATOR a3600 | |

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TPH=tests per hour †

Assay dependent

†Excluding whole blood

§Maximum of two minutes during the prime of the wash buffer dilution assembly

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