

COBAS INTEGRA[®] 400 plus

Specifications

System	Random and continuous access, sample selective analyser Integration of 4 measuring principles 36 tests onboard Absorbance photometry: Enzymes and substrates Turbidimetry: Specific proteins, drugs of abuse Fluorescence polarimetry: Therapeutic drugs, thyroid tests Ion-selective electrode potentiometry: Na ⁺ , K ⁺ , Cl ⁻ and Li ⁺
Test throughput	Up to 400 tests/hr (including ISE)
Sample types	Serum, plasma, urine, CSF, hemolysate and whole blood (HbA1c)
Sample handling	90 primary or secondary tubes on-board Up to 6 x RD15 racks on-board Cooled rack position for controls and calibrators Automatic sample dilution and concentration Barcode reading via laser scanner, with immediate STAT recognition
Sample container types	Primary tubes: 5 to 10 mL; 16x100, 16x75, 13x100, 13x75 mm with closed cap for Hitachi microcup, 500 µL; Hitachi standard cup, 1.5 mL; cobas cup, 650 µL; Eppendorf cup, 1.5 mL; Cup on tube definable
Sample volume	Typically 2 to 10 µL per test, ISE indirect 20 µL, ISE direct 97 µL
Sample barcode types	Code 128, Codabar, Code 2 of 5 interleaved, Code 39
Reagents onboard capacity	32 cobas c packs, 50-800 tests per cobas c pack Up to 8 racks of 4 cobas c packs on-board Reagent compartment cooled to 10-15°C Onboard stability up to 3 months, calibration typically each lot
Reaction cells	Holds 1,000 disposable cuvettes with 5 mm path length, and 120-240 µL reaction volume
Control unit	HP workstation running Windows XP Intel Pentium IV with 512 MB RAM Dual 40 GB hard drives, CD ROM, floppy drive and inbuilt modem
System interfaces	RS 232 serial interface, bi-directional, inbuilt modem for remote diagnostics access
Electrical requirements	100-125/200-240 Volts AC, 50 or 60 Hz, consumption 1,200 VA
Physical dimensions	Width: 135 cm (53.1 in) Depth: 66 cm (25.9 in) Height: 75 cm (28.5 in)
Weight	320 kg (506 lbs)
Water requirements	Up to 2 liters per hour in operating mode, Type 1 NCCLS
Certification	CE, UL, C-UL

