

MEDICA
easyra



اتوآنالایزر بیوشیمی



یادگیری، استفاده، نگهداری و تهیه آسان ...

آنالایزر EasyRa کمپانی مدیکا آمریکا پارامترها را به صورت خودکار تنظیم می کند. برخلاف سیستم بارکد، تکنولوژی وایرلس همه‌ی اطلاعات مورد نیاز را در اختیار کاربر قرار می‌دهد. نصب و تنظیم این دستگاه سریع، آسان و بدون خطا است و نیازی به برنامه ریزی دستی نمی‌باشد. به سادگی معرف ها را در آنالایزر EasyRa قرار داده و خود دستگاه موقعیت کیت ها، تعداد نمونه های باقیمانده و تاریخ انقضا را مشخص کرده و خطاهای ورود اطلاعات را به حداقل می رساند.



شرکت پایازست آرایه



iso13485

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EasyRA specifications

system specifications	true random access, clinical chemistry analyzer
throughput	Patient results per hour, photometric: up to 120 tests/hour*; ISE: up to 240 tests/hour*; STAT time: 8 minutes (Na ⁺ /K ⁺ /Cl ⁻ /CO ₂ /GLU/BUN/CREA)
types of analysis	endpoint, enzymatic, rate, bichromatic, potentiometric, enzyme immunoassay (EIA), turbidometric immunoassay (TIA)
samples	24 sample positions per sample ring for patient, calibrator, or QC samples; STAT: up to 5 user-defined positions; optional second sample ring uniquely identified by analyzer; automatic dilution: 1:5 ,1:3 ,1:2 and 1:10 final dilution
sample volume	photometric chemistries: 25.0–2.0 µL; programmed in 0.1 µL steps; ISE chemistries: serum: 90–80 µL; urine: 140 µL
sample containers	sample cups or primary tubes in a wide range of sizes
sample identification	position ID, barcode ID (optional), barcode types: codabar, code 128 ,39, interleaved 2 of 5
reagents	24 positions for reagents; reagent cooling temperature 12°–15° C less than ambient; reagent identification: RFID (radio frequency identification) technology—automatic tracking and entry of reagent information (chemistry name, lot number, expiration date; reagent volumes; analysis volumes for reagents, samples, diluent; primary and secondary wavelengths; reaction read times; analysis type; reagent and sample blanking; linear range of assay; acceptable absorbance ranges). Reagents are ready to use. 6 open channels.
reagent volumes	reagent volume (R1)/test 350–120 µL; programmed in 1 µL steps. reagent volume (R2)/test 50–10 µL; programmed in 1 µL steps
water supply	reagent grade deionized water, diluent bottle
sampling system	probe pre-heater; single probe with RF level sensing; inner and outer probe washing
cuvette material	optical acrylic; disposable segments; 12 cuvettes per segment; 6 total segments in reaction area
reaction time	15–1 minutes
reaction temperature	37° ± 0.25° C (photometric chemistries)
wavelength	700 ,660 ,600 ,550 ,520 ,405 ,340; half bandwidth 2 ± 10 nm
light source	xenon flash lamp, 5 year typical life
photometric linearity	2.5–0.0 Abs units for 0.6 cm pathlength (%1 deviation)
photometric resolution	0.0001 Abs units at 1.0 Abs
quality control	2 levels of controls (Levey-Jennings plots for two levels)
calibration curves	single and multilevel calibration (based on analyte)
user interface	edit and monitor worklists; review results; review calibration and quality control results; Levey-Jennings charts for 31 days of QC results; on-board diagnostics and individual component monitoring; graphic instructions for daily, weekly and monthly maintenance procedures
data storage	2000 patient results; 56,000 test results, ability to archive and retrieve results
power requirements	100 VAC–240 VAC ± 60–50 %10 Hz, 2.0/4.0A
size and weight	40" w x 15" h x 26" d (102 cm x 38 cm x 66 cm), 88 lbs (40 kgs) without reagents
ambient conditions	15°–30° C (59°–86° F); <%85 relative humidity, non-condensing atmospheric air environment
computer requirements	minimum: Windows® 7**; CD/CD-RW; 1 RS-232 or USB port; touch screen monitor or SVGA color monitor, mouse and keyboard
printing	local or network printer
optional feature	ISE Module

* Actual tests per hour may vary.

** Windows is a registered trademark of Microsoft Corporation.