easyra clinical chemistry analyzer

intentionally easy...to choose

Test Menu

Routine Chemistry

Albumin
Bilirubin – Direct
Bilirubin – Total
Calcium
Creatinine
Glucose
Inorganic
Phosphorous
Magnesium
Total Protein
Urea Nitrogen (BUN)
Uric Acid

Other Tests

CK-MB*
hsCRP*
Li^+
Ethanol

Anemia Assays

Iron
TIBC*

Enzyme Assays

Alkaline Phosphatase
Alanine
Aminotranferase
Amylase
Aspartate
Aminotransferase
Creatine Kinase
Gamma-Glutamyl
Transferase
Lactate
Dehydrogenase
Lipase*

Electrolytes

CO2
Sodium
Potassium
Chloride

Cardiac Risk

HDL – Direct
LDL – Direct
Triglycerides
Cholesterol

Diabetic Monitoring

HbA1c
Microalbumin

Urine Chemistry

Creatinine
Protein

Calculated Tests/Ratios

Anion Gap
BUN/Crea Ratio
cLDC
eGFR

*in development

MEDICA www.medicacorp.com

System Specifications

throughput	analysis rate, photometric: 150 tests/hour
types of analysis	endpoint, enzymatic, rate, bichromatic, potentiometric, kinetic, enzymatic immunoassay, turbidimetric immunoassay
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: 1:1 and 1:2
sample type	urine (Drugs-of-Abuse)
sample volume	photometric chemistries: 2.0–25.0 µL; programmed in 0.1 µL steps; ISE chemistries: serum: 80–90 µL; urine: 140 µL
sample containers	sample cups or primary tubes in a wide range of sizes
sample identification	integrated barcode reader; position ID, barcode ID (optional), barcode types: codabar, code 39, 128, interleaved 2 of 5
reagents	24 positions for reagents; reagent cooling temperature 12º–15º 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.
reagent volumes	reagent volume (R1)/test 120–350 µL; programmed in 1 µL steps. reagent volume (R2)/test 10–50 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
cuvettes	optical acrylic; disposable segments; 12 cuvettes per segment; 6 total segments in reaction area
reaction time	1–15 minutes
light source/wavelength	xenon flash lamp ; 340, 405, 520, 550, 600, 700
quality control	2 levels of controls (positive/negative)
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
power requirements	100 VAC–240 VAC ± 10% 50–60 Hz, 4.0/2.0A
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
computer requirements	Windows XP® or Windows 7®; CD/CD-RW; 1 RS-232 or USB port; touch screen monitor or SVGA color monitor, mouse and keyboard; local or network printer

MEDICA

5 Oak Park Drive Bedford MA 01730-1413 USA
Continental US telephone: 800 777 5983
International telephone: 781 275 4892
Fax: 781 275 2731
www.medicacorp.com sales@medicacorp.com

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