



## AUTOLYZER

**Random Access Clinical Analyzer  
for Clinical Chemistry, Immunturbidimetry and Coagulation**



### FEATURES

- > Endpoint, Kinetics, Immunturbidimetry and Coagulation
- > Sample or reagent blank
- > Factor or non-linear calibration curves
- > STAT, Random Access and Batch operation
- > Up to 360 tests per hour (with ISE)
- > Automatic re-run with sample dilution
- > Quality Control data
- > User friendly handling
- > Low maintenance
- > Open System

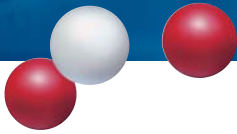
### MODELS

- > Autolyzer Model 20010A without 4-steps washing station and without cooled reagent tray
- > Autolyzer Model 20010B with 4-steps washing station only
- > Autolyzer Model 20010C with cooled reagent tray only
- > Autolyzer Model 20010D with 4-steps washing station and cooled reagent tray

### OPTIONAL

- > Sample barcode reader and barcoded reagents
- > ISE

# CLINICAL CHEMISTRY ANALYZERS



## SAMPLING AND REAGENT CENTER

- > 48 positions sample tray
- > Primary tubes (7ml tube) or microtubes
- > Sample volume range 2-100 $\mu$ l
- > 48 positions reagent tray. Ambient or cooled with single or dual reagent capabilities
- > From 180 $\mu$ l reagent volume/test
- > Sample predilution
- > Continuous Sample loading
- > Internal Barcode reading (optional)
- > ISE solution outside reagent tray



## REACTION TRAY

- > 80 positions reaction tray
- > 4 steps washing station
- > Water consumption: 1 Liter / 400 tests (2.5 $\mu$ l / test)
- > Warm air incubator
- > Automatic cuvette control
- > Cuvette replacement by sectors
- > Warning for cuvette replacement



## PIPETTING SYSTEM

- > Reagent probe heater
- > Capacitive liquid level sensor
- > Washing system outside and inside the probe
- > Warning on missing or insufficient reagent or sample, collision

## OPTICAL SYSTEM

- > Double beam photometer for bichromatic measurements
- > wavelengths: 340, 405, 450, 505, 550, 590, 650, 700, and 750nm.
- > Light source: 6V - 20W Halogen Lamp

## ISE UNIT (optional)

- > Easy electrode replacement
- > Automatic calibration
- > Automatic electrode cleaning
- > Long lifetime



## DATA MANAGEMENT

- > Multitasking Windows based Software
- > Bi-directional computer interface (acc. to ASTM 1394 requirements)
- > Straightforward future upgrades by software download
- > Unrestricted methods (open system) and unlimited patient data and method storage

## ANALYSIS MODES

- > End point with sample blank or reagent blank
- > Use of factor or standard
- > Priority selection by sample (profile) or by reagent (blank)
- > Use of calibration curve with up to 10 standards
- > Automatic curve fit
- > Coagulation times by turbidimetry
- > Immunospectrophotometry
- > Fast and two-point kinetics (zero and first order)
- > Routine, batch, STAT procedures, profiles
- > Automatic analysis redilution on abnormal levels, excessive substrate consumption and/or lack of linearity
- > Full quality control: Levy-Jennings plots, Westgard rules
- > Import / export of data, methods and historic file
- > Automatic backup procedure

## THROUGHPUT

- > Up to 240 tests / hour depending on configuration
- > Up to 360 tests / hour (with ISE)

## POWER REQUIREMENTS

- > 85-230 VAC; 50/60 Hz; 400W

## DIMENSIONS / WEIGHT

- > 85 x 58 x 47 cm, 40 kg

## LANGUAGES

- > English, German, Spanish, Chinese, Portuguese, and other languages upon request

## STANDARDS

- > CE, ISO9001, EMC, IEC-61010-1