

CataliaFA-150TM

AUTOMATED CHEMISTRY ANALYZER

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FEATURES

- Fully automated, discrete, random access
- Up to 150 tests per hour; 225 tests per hour with ISE
- Water consumption : 3.5L/H
- 40 positions for samples and reagents respectively, 24-hour non-stop cooling system
- Optional barcode reader and ISE
- Airtight Static Matrix Optical System(ASMOS), rear spectrophotometry and maintenance free, realizing synchronous double-wavelength testing
- Highly polished sample probe, with liquid level detection, probe depth adjustment automatically and collision protection
- Alkaline solution washing to prevent carry over thoroughly
- Independent mixer, rinsed by vertical style
- 81 special ultraviolet transmitting plastic cuvettes and optional quartz glass cuvette
- 6-step auto washing system
- Windows7 or XP

SPECIFICATION

SYSTEM FUNCTION

- Throughput Fully automated, discrete, random access for Routine, STAT, Urine and homogeneous immuno assays Auto washing:STAT sample priority
Up to 150 tests per hour (without ISE),225 tests per hour with ISE
- Test principle Colorimetry, Turbidimetry
- Methodology One-point Endpoint,Two-point Endpoint,Kinetics, Fixed-time

SAMPLE/REAGENT SYSTEM

- Sample volume 40 positions for sample and reagent respectively in refrigerated compartment (2-12V)
- Reagent volume 2-50 μ l,step 0.1 μ l
- Reagent volume R1:150 μ l-450 μ l, step by 1 μ l
R2:104 —300 μ l, step by 1 μ l
- Sample/Reagent probe Liquid level detection, probe depth adjustment automatically, collision protection

- Sample tube
- Reagent bottle
- ISE

Compatible with blood collection tube, minimal tube, sample cup etc
Compatible with reagent bottles of HITACHI and OLYMPUS
K⁺, Na⁺, Cl⁻, Li⁺

REACTION SYSTEM

- Cuyette
- Reaction volume
- Heating
- Reaction temp
- Mixing system
- Reaction Cuvette
- Washing system

Special ultraviolet transmitting plastic cuvette and optical length of 5mm
150 μ l -500 μ l
Full-sealed constant temperature,solid heating
37 \pm 0.1 $^{\circ}$ C
Independent mixing probe
Reusable/Quartz glass cuvettes (optional)
6-step auto washing system

OPTICAL SYSTEM

- Light source
- Photometric method
- Wavelength
- Absorbance range

20W/12V halogen lamp, lifetime 2000 hours
Airtight Static Matrix Optical System(ASMOS), full-sealed,free from mildew
8 wavelengths: 340,405,450,510,546,578,630 and 670nm, support single/dual wavelength
0-4.00Abs

CALIBRATION & CONTROL

- Calibration method Linear, Logit-log 4P, Logit-log 5P, Spline, Exponential, Polynomial
- Control rule Westgard multi-rule, Cumulative sum check,Twin plot

OPERATION UNIT

- Operation system Windows 7 or XP
- Interface RS-232

OTHERS

- Power supply AC 100V-240V,50Hz/60Hz
- Power 350W
- Dimension 855x650.5x579 mm
- Net weight 85.0Kg

