

BS-380

Chemistry Analyzer

Technical Specifications

System Function :

Fully automated, Discrete, Random-access for routine, STAT, Urine and homogeneous immuno assays ; STAT sample priority

Throughput: 300 tests/ hour, up to 450 tests/hours with ISE

Measuring principles:

Absorbance photometry, Turbidimetry
End-point, Fixed-time, kinetic, optional ISE
Single /Dual reagent
Chemistries, monochromatic/
bichromatic linear/non-linear calibration
User defined profiles and calculation

Programming:

Sample Handling :

Sample tray: 75 positions for primary tubing or secondary cups

Sample volume: 2, 45µl, step by 0.1 µl

Sample probe: Liquid level detection, vertical and horizontal collision protection

Probe cleaning: Interior and exterior automatic washing
Carry-over <0.1%

Automatic sample dilution:

Pre-dilution and post-dilution up to 1:150

Dilution vessel:

Cuvette

Internal Bar Code Reader :

Used for sample and reagent programming ; applicable to various bar code systems including Codabar, ITF, code128, Code 39,UPC /EAN, code 93, Bi-Directional LIS interface

ISE Module :

Optional selection of K+, Na+, Cl-

Throughput : Up to 225 tests per hour

Reagent Handling :

Reagent tray : 60 positions refrigerated
Compartment (2-8°C)

Reagent volume: R1: 150,350µl, step by 1 µl

Reagent probe:

Liquid level detection, vertical and horizontal collision protection

Probe cleaning:

Interior and exterior automatic washing
Carry-over <0.1%

Reaction system

Reaction rotor : Rotating tray, 72 cuvettes with automatic washing

Cuvette : Optical length of 5mm

Reaction volume: 150,360µl

Operating temperature: 37°C

Temperature fluctuation: ±0.1°C

Mixing system: Integrated mixer system

Optical system:

Light source: Halogen-tungsten lamp

Photometer: Reversed optics, grating photometry

Wavelength: 340nm, 380nm, 412nm, 450nm,

505nm, 546nm, 570nm, 605nm,

660nm, 700nm, 740nm, 800nm

Absorbance range:

0-3Abs

Resolution:

0.001 Abs

Control and Calibration:

Calibration mode: Linear (one-point, two-points and multi-points), logit-Log 4P, logit-log 5P, Spline, Exponential 5P, polynomial 5P, Parabola

Control rules : Westgard multi-rule, Cumulative sum check, Twin plot

Operation unit

Operation system: Windows XP SP2 above/Vista

Interface : RS-232

Working conditions:

Power Supply: AC100-240V, 50/60Hz, 1000 VA

Temperature: 15-30° C

Humidity: 35-85%

Water consumption: 10L/hour deionized water

Dimension : 990mm x 693mm x 1135mm (WxDxH)

Weight: 200kg: 60 positions in efrigerated

MINDRAY

BS-380

Automate de biochimie

300 tests /heure



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