BS-380

Chemistry Analyzer

- Constant 300 tests per hour, up to 450 tests per hour with ISE
- Onboard capacity of 75 sample positions, up to 58 chemistries plus 3 ions
- Refrigerated reagent compartment 2~8°C
- Automatic probe cleaning, liquid level detection, vertical and horizontal collision protection, clot detection (optional)
- 8-step auto washing system
- Reversed optics grating photometry, 12 wavelengths: 340~800 nm
- Automatic dilution for abnormal sample
- Internal bar code reader (optional)
- Bi-directional LIS interface





BS-380

Chemistry Analyzer

Technical Specifications

System Function:

Fully automated, Discrete, Random access for

routine, STAT, Urine and homogeneous immuno

assays;

STAT sample priority

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

Measuring principles:

Absorbance photometry, Turbidimetry

Methodology:

End-point, Fixed-time, Kinetic, optional ISE

Single / Dual reagent chemistries, monochromatic / bichromatic Linear / non-linear calibration

Programming:

User defined profiles and calculation

Sample Handling:

Sample tray: 75 positions for primary or secondary tubes and

sample cups

Sample volume:

2~45µl, step by 0.1µl

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 ratio up to 1:150

Dilution vessel:

Cuvette

Internal Bar Code Reader (optional):

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):

Optional selection of K+, Na+, CI-

Throughput:

Up to 225 tests per hour

Reagent Handling:

Reagent tray:

60 positions in refrigerated compartment (2~8°C)

Reagent volume:

R1: 150~350µl, step by 1µl;

R2: 20~200µl, step by 1µl;

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

150~360µl Reaction volume: Operating temperature: 37°C

Temperature fluctuation: ±0.1°C

Mixing system:

Integrated mixers 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:

0.001Abs

Control and Calibration:

Calibration mode: Linear (one-point, two-point and

multi-point), Logit-Log 4P, Logit-Log 5P, Spline,

Exponential 5P, Polynomial 5P, Parabola

Westgard multi-rule, Cumulative sum check, Twin plot

Control rules:

Operation Unit: Operation system:

Windows® XP Professional/Home SP2 or above

Windows® Vista Home/Business

Interface:

RS-232

Working Conditions:

Power Supply:

AC 100~240V, 50 / 60Hz, 1000VA

Temperature:

15~30°C

Humidity:

35~85%

Water consumption: 10L/hour Dimension:

990mm x 693mm x 1135mm (WxDxH)

Weigh:

200 Ka

DISTRIBUTOR:









Mindray is listed on the NYSE under the symbol "MR" Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China

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