

Technical Specifications

Model	MS-380P
System	Fully automated, random access chemistry system with STAT capability
Throughput	Constant 300T/H (450T/H with ISE optional)
Photometry	Mono-chromatic & Bi-chromatic measurements with Multi-wavelength diffraction grating with 13 wavelength options, 340 ~ 800 nm
Simultaneously processed analysis	79 photometric tests
Assay method	1-Point end, 2-Point end, Fixed, Rate-A and Rate-B
Calibration	Linear, Non-linear, Multipoint, K factor
Obsorbance range	0-3.8A
Sample types	Serum, plasma, urine, other
Sample disk capacity	Sample tray ring: 79 positions (39 interchangeable) for routine samples (all positions can be used for STAT samples)
Sample volume	1.5-20 uL in 0.1uL step
Sample cups	Sample cups and sample tubes in different sizes
Reagent tray capacity	80 (39 interchangeable) refrigerating reagent positions
Reagent storage	4°C -12°C
Mixing function	Independent stirring arms
Reagent volume	15-200 uL in 0.5uL step
Reaction cuvette	Cuvette made of UV free plastic
Min. reaction volume	75uL
Reaction time	10min or 22min
Reaction incubation	37°C , water bath
Light source	Long - life halogen lamp
Detection of needle blockage	Clot detection sensor
Barcode reader	Optional
Automatic cleaning system	Carrying rate≦0. 05%
Automatic sample dilution	Pre-dilution and post-dilution
Operation system	Win10
Dimensions and weight	720(W)x780(D)x600(H)mm, Approx.80kg
Power supply	220/110V, 50/60HZ

Edition No.A01
Q/MCB(C).7.2-04-005

Best Performance and Quality

Notice： for proper operation,follow the instruction manual when using the instrument.
Specifications in this catalog are subject to change without notice,as Medical System corporation continues to develop the latest technologies and products for our customers.

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Integrated
Clinical Diagnosis Solution



MS-380P
Automatic Biochemistry Analyzer

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MS-380P
Automatic Biochemistry Analyzer

Main Features

Economy

- Required sample/reagent volume reduced to a very low range.
- The syringe piston made from ceramic, which ensures high precision of sampling and low maintenance cost.

High accuracy

- With the evading functions, can increase the times of cleaning by software setting, effectively eliminate cross contamination, such as cross-contamination between reagents or that caused by turbidity test.
- Upon detection of an abnormal in water blank measurement before analysis, it is automatically skipped over for exclusion from analysis, cuvette's number will be displayed.
- Auto washing with heated water, Keep the cuvette temperature stable.

Reliability

- With VOD(vertical obstacle detection) system, automatically and precisely detect liquid level.
- With the volume tracking technology, real-time monitoring the reagent level.
- ID management function ensures reliability and security. User access to data enquiry and maintenance are under control.

High performance

- Holographic concave flat field grating with rear spectrophotometry, cluster optical path, can achieve micro volume detection of reaction solution. Stable data photometry can be achieved even in a minimum reaction volume.

Convenience

- Function for emergency analysis is available.
- The sample disk has a free adapter for allowing the user to set sample cups and sample tubes of different sizes.
- Two or more bottles can be set for one reagent that is consumed in large quantity for frequently requested test items.
- The analysis results of each test can be checked on screen. Laboratory can therefore respond to any urgent inquiry from the in-patient and out-patient department. Moreover, In STAT sample analysis, all test result data can be transmitted to the host computer.



Advanced Software Program



• Serum indices detection function

• Auto rerun (repeating/increasing/decreasing mode)

If the test result is out of reference range, the system will run the previous test again

• Multi-point calibration function

• Alarm automatically, and the alarm content will be displayed on screen simultaneously.

• Optimum test sequence setting program to avoid carry-over.

If test between two or more items exist carry-over, this function is available to adjust the test sequence of these items. This function ensures the high accuracy of our analyzer.

• Dirty cup avoidance function

The reaction cup can be cleaned and detected automatically. If the contamination rate exceeds the standard, the reaction cup can be avoided to use automatically.

• Dynamic and real-time display the running status

Dynamic monitoring the running status of reagent tray
Real-time monitoring the reagent residual volume
Real-time diagnosis the working status of system

• Original reaction data record

Real-time monitoring the reaction curve
Simultaneously display primary and secondary wavelengths to avoid interference