CORMAY

ACCENT **M320**

Clinical Chemistry Analyzer

CORMAY DIAGNOSTICS

The lifeline to better health

ACCENT M320

Automatic chemistry analyzer ACCENT M320 is intended to measure activity/concentration of multiple clinical chemistry anlaytes in serum, plasma, urine and cerebrospinal fluid samples [1]

It is only for in vitro diagnostics, for healthcare professional users.

Technical Specification[1]

General Performance

- **Model:** fully automated, discrete, random access, bench-top, STAT sample priority
- **Throughput:** up to 360 T/H* & up to 540 T/H* with ISE
- **Analysis method:** end-point, fixed-time, kinetic, ion selective electrode (optional)

Reagent And Sample Handling

- **Sample/Reagent tray:** Up to 150 positions for samples and reagents in 24-hour refrigerated compartment (2~12°C)
- **Sample volume:** 2-35 µl, step by 0.1 µl
- **Reagent volume:** 10-200 µl, step by 0.5 µl
- **Reagent/Sample probe:** level detection, horizontal and vertical obstruct detection, probe clog detection and level tracking
- **Probe cleaning:**
  - Automatic washing for interior and exterior
  - Sample carry-over rate ≤ 0.05%
- **Built-in barcode reader** capable to communicate with LIS in bi-directional mode

Reaction System

- **Reaction cuvettes:** 80 reusable cuvettes (8 x 10-cuvettes segments)
- **Reaction volume:** 100 - 360 µl
- **Cuvette washing:** washing station with pre-warmed detergent and water
- **Mixing unit:** independent mixing bar
- **Water consumption:** ≤ 6.5 L/H

Optical System

- **Light source:** halogen-tungsten lamp
- **Absorption range:** 0 ~ 3.5 Abs
- **Photometric unit:** grating light-splitting technology with 12 wavelengths (340 nm, 380 nm, 412 nm, 450 nm, 505 nm, 546 nm, 570 nm, 605 nm, 660 nm, 700 nm, 740 nm, 800 nm)

ISE Module

- **Optional measuring:** K^+, Na^+, Cl^-

Control And Calibration

- **Calibration modes:** K factor, Linear (two points and multi-points), Non-linear (Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola, Logit-Log 3P, Broken line)
- **Control rules:** Westgard multi-rules, cumulative sum check, twin-plot, Levey-Jennings

Operation Unit Requirements

- **Operating system:** Windows 10 (64 bit)
- **Communication Interface:** RS232 serial port, Network interface, USB / Parallel port, VGA or DVI interface

Power Supply Requirements

- **Power supply:** 220V-240V~, 50Hz or 220V/230V~, 60Hz
- **Rated power consumption:** ≤1300VA

Operating Environment [2]

- **Temperature:** 15 - 30 °C
- **Relative humidity:** 35% - 85%, without condensation
- **Altitude height:** -400 m - 2000 m (80 kPa - 106 kPa)

Storage Environment [2]

- **Temperature:** 0 - 40 °C
- **Relative humidity:** 30% - 85%, without condensation
- **Altitude height**: 50 kPa - 106 kPa

Physical Dimensions

- **Dimension (mm):** ≤ 860 L x 660 D x 550 H
- **Weight (kg):** 115±15

[1] Data in the User Manual
[2] Storage and transport conditions must not impair the performance of the analyzer, and it is recommended to maintain the specified conditions for the operation of the device. For transport, the analyzer must be protected against damage and special transport containers must be used.

*Based on calculations.

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