AUTOMATION THAT FITS

AutoMate 2500 Family
Sample Processing Systems
STREAMLINE PROCESSES.
SPEEDY TEST RESULT DELIVERY.

The AutoMate 2500 Family has everything you need to streamline pre- and post-analytical processes and position your lab for optimal performance and labor usage.

Plus, with the AutoMate 2500 Family, your lab can accommodate greater workflow by eliminating steps between sample receipt and the analytical stage.

When you need to improve lab efficiency, turn to the AutoMate 2500 Family for an automation system that fits your lab’s unique requirements.

› Single Point of Entry
  • Manages sample tubes from entry into the laboratory until archiving
  • Re-sorts samples for pending test routing or for storage when samples have volume remaining
  • Sorts stats to separate locations
  • Up to 24 dynamically-configurable rack locations for unparalleled sorting flexibility
  • Unloads/loads instrument-specific racks

› Sample Loading
  • Easy-loading drawer offers convenient and continuous access to racks for loading samples while robotic handlers safely and efficiently process samples through the AutoMate
  • Dedicated stat input area enables priority processing for rapid test turnaround time
  • Processes tube sizes from 10.5-17 mm in diameter, 70-110 mm in height (with cap)
  • Recognizes most standard bar codes in compliance with the Clinical and Laboratory Standards Institute (formerly known as NCCLS)

› Sample Receipt
  • Sample bar code reader ensures positive patient sample identification and notifies the Laboratory Information System (LIS) of sample receipt
  • Automated measurement of sample diameter and height ensures proper sorting and aliquotting

› Tube Inspection Unit (TIU)

  Cap Color Recognition
  • Unique 3D cap color analysis validates sample type against test ordered for error prevention
  • Detection of newest generation of coded caps
Volume Determination

- Automated measurement of each sample’s volume prior to dispensing into aliquot tube or for storage
- Automated measurement of plasma or serum volume ascertains whether all aliquots can be created
- RTL (read through labels) infrared volume detection through up to three layers of labels on the tube

Decapping

- Up to two decappers, designed for maximum efficiency and lab safety, to minimize exposure to biohazardous aerosols
- Compatible with rubber stoppers, plastic and screw-style caps
- “Smart” decapping: caps are selectively removed for closed-tube sampling, based upon analyzer
- Caps are automatically disposed

Aliquotting*

- Processes up to 600 total samples per hour, including 300 primary and 300 secondary tubes
- Creates up to seven aliquots per primary tube
- Conductive tips with graphite fraction mean accurate measurement of filling level
- “Intelligent” aliquotting transfers the proper volume for samples with single or multiple tests
- Computerized prioritization of aliquots ensures most critical samples are created first, if sample volume is minimal
- Detects clots and routes samples for manual processing

Intelligent Sample Banking*

- Aliquots samples in intelligent mode
- Fully automated into different microtube racks for long term storage for up to 7 aliquots from a single sample
- Easy to store and easy to retrieve
- Supporting ISO 15189 compliance

Sorting to Sample Racks

- “Open” system architecture sorts to generic 50-tube racks or analyzer racks, accommodating transfers to instruments, other lab sections or send-out test requirements
- 1,200-sample capacity and up to 24 generic racks, which can be subdivided to create up to 150 sorting locations
- Drawers are freely definable and dynamically configurable; can use the standard 50 position rack or instrument specific racks

Re-Sorting to Sample Racks

- Allows re-sorting of samples from personality racks after analysis for routing to next analyzer or sample storage; sample routing determined by duration or user-defined destination

Recapper**

- Can process up to 1,200 tubes per hour
- Can handle standard tube sizes
- Prevents sample evaporation using cost efficient Parafilm

Simple to Use

- Intuitive user interface
- Customizable sorting rules with Sorting Drive

Trouble-Free Maintenance

- Load secondary 13 x 75 mm tubes in bulk
- Replace bar code label stock for aliquot tubes via easily accessible slide-out bin; user can define contents of the secondary-tube label*
- Integrated storage space for consumables
- Aliquot tips are ready for use

Easy to Install

- Small footprint enables easy installation and requires minimal lab reconfiguration
- Allows “dynamic” rack configuration to accommodate workload changes
- LIS interface
- Accepts multiple tube sizes and styles as well as multiple bar-code symbologies
## AUTOMATE 2500 FAMILY
### SAMPLE PROCESSING SYSTEM SPECIFICATIONS

| Sorting Rate: | › AutoMate 1200: 800 samples/hour  
|             | › AutoMate 2500: 1,200 samples/hour |
|              |                                           |
| Aliquotter* (1 + 1 aliquot): | › 600 samples/hour (300 primary, 300 secondary)  
|              | › AutoMate 1250: 700 primaries with 10% aliquoted to a daughter tube  
|              | › AutoMate 2550: 900 primaries with 10% aliquoted to a daughter tube |
| Sample Container Sizes | › Processes tube sizes from 10.5-17 mm in diameter;  
|                 | 70-110 mm in height (with cap) |
| Environmental Requirements | › Heat Output:  
|                     | • AutoMate 1200/2500: 1,030 BTU/hour  
|                     | • AutoMate 1250/2550: 1,480 BTU/hour  
|                     | › Room Temperature: +18 to 32 °C (+64 to 89 °F)  
|                     | › Relative Humidity: 40 to 80% non-condensing |
| Laboratory Information | › LIS Interface: Dynamic download or host query |
| System Integration |                                           |
| Weight | › AutoMate 1200/2500: 480 kg (1,058 lb)  
|       | › AutoMate 1250/2550: 720 kg (1,587 lb) |

### Dimensions

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BR-18521C

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* Optional feature (only available for AutoMate 1250 and AutoMate 2550)

** Optional feature