AUTOMATION THAT FITS

AutoMate 2500 Family
Sample Processing Systems

BECKMAN COULTER

Move healthcare forward.

STREAMLINE PROCESSES. SPEEDY TEST RESULT DELIVERY.

The Auto*Mate* 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 Auto*Mate* 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 Auto*Mate* 2500 Family for an automation system that fits your lab's unique requirements.

- Single point of entry to manage all tubes, from sample receipt to archiving
- Advanced, automated sample loading and sorting, to minimize manual handling
- Through-the-label sample volume detection
- Sorting speeds of 800-1,200 tubes per hour
- Intelligent aliquotting* and tube labeling to eliminate manual sample preparation errors and ensure faster, more accurate secondary-tube preparation
- Intuitive software to facilitate ease of use
- Recapper for safe and convenient transfer to archiving
- Cap color analysis validates sample type against test ordered for error prevention

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 Auto*Mate*
- 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)

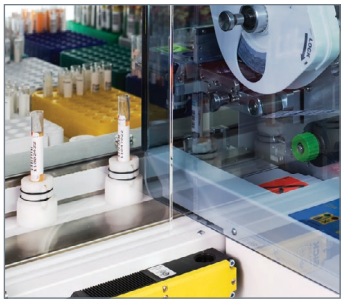
Sample Receipt

- 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



Recapper

Tube Inspection Unit (TIU)

› 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

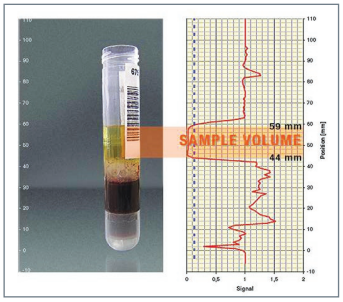
- Load secondary 13 x 75 mm tubes in bulk
- Replace bar code label stock for aliquot tubes via easily accessible slide-out bin; user can define contents of the secondary-tube label*
- Integrated storage space for consumables
- Aliquot tips are ready for use

› 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

Aliquotting

Sample Loading



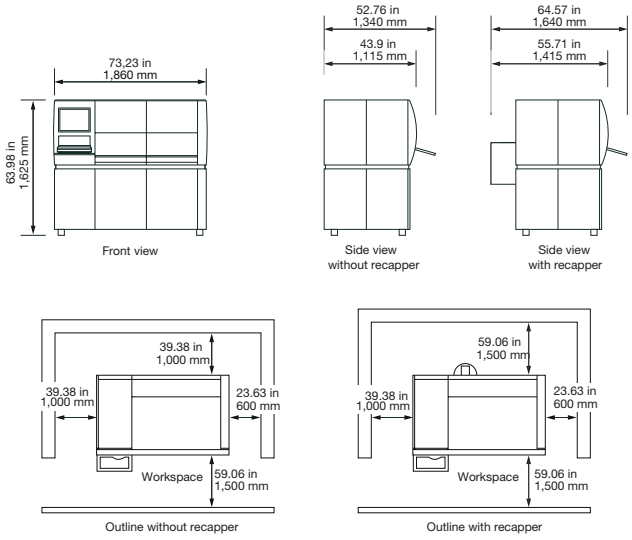
Volume Determination

AUTO*MATE* 2500 FAMILY
SAMPLE PROCESSING SYSTEM SPECIFICATIONS

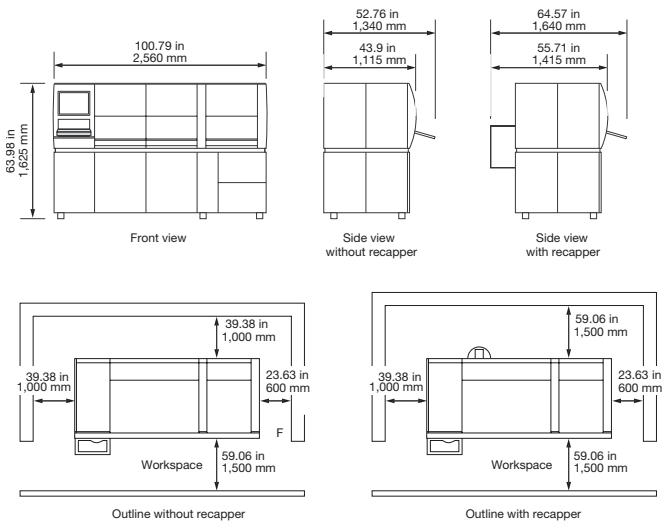
Sorting Rate:	› AutoMate 1200: 800 samples/hour › AutoMate 2500: 1,200 samples/hour
Aliquotter* (1 + 1 aliquot):	› 600 samples/hour (300 primary, 300 secondary) › AutoMate 1250: 700 primaries with 10% aliquoted to a daughter tube › AutoMate 2550: 900 primaries with 10% aliquoted to a daughter tube
Sample 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 System Integration	› LIS Interface: Dynamic download or host query
Weight	› AutoMate 1200/2500: 480 kg (1,058 lb) › AutoMate 1250/2550: 720 kg (1,587 lb)

Dimensions

› AutoMate 1200/2500



› AutoMate 1250/2550



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

** Optional feature

For Beckman Coulter's worldwide office locations and phone numbers, please visit "Contact Us" at www.beckmancoulter.com

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