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## Get Peak Performance with Fast, Flexible, Reliable, Centrifugation

Centrifuge Module for ADVIA Automation Solutions

Answers for life.

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# Fast, Flexible, and Reliable Centrifugation for Peak Performance

Diagnostic laboratories require pre-analytical centrifugation that is fast, flexible, reliable, and easy to use. The ADVIA® Automation Solutions Centrifuge Module quickly and efficiently processes STAT and routine samples in intermixed tubes and caps with minimal attention or intervention by the operator. Multiple onboard centrifuge units coupled with parallel processing capability provide the ultimate in sample processing flexibility.



### Saves Operator Time

Easy-to-use design, extensive automation, and high sample-processing capacity minimize setup and maximize walkaway time, freeing up valuable lab resources to perform other tasks.

- Self-calibrates using contactless survey
- Automatically verifies tube placement in cassettes
- Automatically detects and verifies sample weight integrity
- Automatically balances weight load of cassettes
- Can be operated safely and reliably with minimal lab resources

### Processes Samples Quickly and Efficiently

Fast, flexible sample handling and processing accommodate the volume and turnaround requirements for peak performance.

- Processes 1–72 tubes/cycle; up to 300 tubes/hour
- Allows parallel sample processing
- Accommodates intermixed plastic sample tube sizes and cap types
- Automatically prioritizes STAT samples
- Provides user-selectable centrifugation cycles (e.g., for immunoassay, chemistry, coagulation, etc.) and timeout for start of cycle
- Temperature range of 10 to 40°C

### Improves Reliability and Reduces Downtime

Robust, simplified design provides reliable operation.

- Single robotic arm reduces mechanical complexity and improves reliability
- UPS/surge protector ensures spin cycle completion in the event of a power interruption
- Hettich Rotanta 46 RSC centrifuge units provide extended service and trouble-free operation

### Simplifies Lab Workflow

Seamless integration with the entire suite of ADVIA Automation Solutions components and modules ensures streamlined pre-analytical, analytical, and post-analytical workflow.

- Connects to ADVIA LabCell® and ADVIA WorkCell® systems
- Integrates with and complements the ADVIA Automation Solutions Decapper Module
- Enables workload balancing when multiple Centrifuge Modules are installed
- Provides selectable tube routing and processing options e.g.,
  - a. Process all tubes requiring a particular spin cycle together at the same speed
  - b. Route tubes with specific spin requirements to a specific centrifuge

### ADVIA Automation Solutions Centrifuge Module Specifications

<b>Dimensions</b>	Height: 83.5 in. (2121 mm) Length: 70.6 in. (1794 mm) Depth: 43.7 in. (1111 mm) Weight: 1950 lb (885 kg)
<b>Thermal Control</b>	Temperature range settings: 10°C to 40°C Refrigerant: R404A
<b>Electrical Requirements</b>	Voltage: 208–240 VAC at 50/60 Hz Current: 15 A Meets regulatory requirements for UL, CSA, and CE
<b>Ambient Operating Temperature</b>	15°C to 32°C
<b>Environmental Requirements</b>	Humidity: 20% to 80% (non-condensing) Air supply: 75 psi
<b>Selectable Centrifugation</b>	Centrifuging time: 1–999 minutes
<b>Settings</b>	Speeds up to 4500 RPM Relative centrifugal force up to 4000 RCF User-definable centrifuging profiles User-definable load delay timer User-definable tube arrival timer
<b>Throughput and Capacity</b>	Up to 72 samples/centrifuge cycle Up to 300 samples/hour in steady-state operation

### Validated Tubes

Note: The ADVIA Automation Solutions Centrifuge Module is intended for use with plastic tubes with round bottoms only.

Manufacturer	Product Name	Tube size (mm)	Cap Type
BD	Vacutainer®	13 x 75	Conventional rubber stopper
BD	Vacutainer	13 x 75	Hemogard™
BD	Vacutainer	13 x 100	Hemogard
BD	Vacutainer	16 x 100	Conventional rubber stopper <sup>1</sup>
BD	Vacutainer	16 x 100	Hemogard
Greiner-Bio-One	VACUETTE	13 x 75	Hemogard-like, pull
Greiner-Bio-One	VACUETTE	13 x 75	Hemogard-like, screw
Greiner-Bio-One	VACUETTE	13 x 100	Hemogard-like, pull
Greiner-Bio-One	VACUETTE	16 x 100	Hemogard-like, pull
Terumo	VENOSAFE™	13 x 100	Hemogard-like
Terumo	VENOSAFE	16 x 100	Hemogard-like
Sarstedt	S-Monovette®	13 x 90	Screw
Sarstedt	S-Monovette	15.3 x 75	Screw
Sarstedt	S-Monovette	15.3 x 92	Screw

1. Green/black caps are not supported.

Note: Black and dark blue caps are not supported by the Decapper Module. For a comprehensive list of recommended tubes, please contact your local representative.

