



Drucker  
Diagnostics 614B  
Fixed Angle  
Single Speed



# Drucker Diagnostics 614B Fixed Angle Single Speed Centrifuge User Guide

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**Drucker Diagnostics 614B Fixed Angle Single Speed**



## Product Information

### Specifications

- Manufacturer: Drucker Diagnostics
- Country of Manufacture: USA
- Warranty: 2 years
- Available Models:
  - DASH STAT Series: Apex 4, Coag, Flex 6\*, Flex 12\*, Flex 24\*
  - HORIZON Routine Series: 6 Flex\*, 6 Flex FA\*, 12 Flex\*
  - Collection Site Series: 642E, 642M, 642B, HORIZON 24 Flex\* Model 614B
  - Blood Banking: SERO 12

### Product Usage Instructions

#### DASH STAT Series

The DASH centrifuges in this series are designed for quick spins. Follow these steps to use them effectively:

1. Load the samples evenly in the rotor.
2. Close the lid securely.
3. Select the desired speed and time settings.
4. Start the centrifuge.
5. After the cycle is complete, carefully remove the samples.
6. Load the samples evenly in the rotor.
7. Securely close the lid.
8. Adjust the settings for speed and time as needed.
9. Initiate the centrifugation cycle.
10. Safely handle the samples after centrifugation is complete.

#### Blood Banking

When using the SERO 12 for blood banking purposes, adhere to these instructions:

1. Ensure proper labeling of blood samples.
2. Carefully load the samples in the rotor without spills.
3. Select appropriate settings for blood separation.

4. Start the centrifuge operation.
5. Handle blood components post-centrifugation following safety guidelines.

## Frequently Asked Questions (FAQ)

### **Q: How can I avail of the free 30-day evaluation for Drucker Diagnostics centrifuges?**

A: To participate in the evaluation program, visit [druckerdiagnostics.com/evaluation-program](https://druckerdiagnostics.com/evaluation-program) for more information and registration details.

## **614B**

CAT.# 00-004-009-001

SINGLE SPEED ADJUSTABLE TIME FIXED-ANGLE CENTRIFUGE

- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- MECHANICAL TIMER
- SINGLE SPEED
- 3,250 MAX RPM
- 1,100 XG MAX RCF

## **OVERVIEW**

The Model 614B is our most affordable fixed-angle centrifuge. With a single g-force setting of 1,100 xg and time controlled by a mechanical dial, the 614B offers affordability and runtime flexibility.

## **APPLICATIONS**

The Model 614B is a centrifuge designed for chemistry and coagulation. With its compact size, the 614B is ideal for doctor's offices, small clinics, laboratories, and where the specimens are analyzed on site.

## **FIXED-ANGLE VS HORIZONTAL CENTRIFUGATION**

Fixed-angle centrifuges, although less expensive, produce gel layers that may be susceptible to rupture during transport. These damaged samples cannot be used without an additional centrifugation step; yet the CLSI recommends against re-centrifugation for its known negative effects on analytical results. For better gel layer formation, please consider horizontal centrifugation with the Model 642E.

## **FEATURES**

- Mechanical Timer: Selectable between 1 and 30 minutes
- Tube Sizes: 0.5 mL to 15 mL; up to 17 mm x 125 mm
- Brushless AC Motor: Smooth operation with no routine maintenance
- Quiet Operation with Low Vibration: Double-encased motor assures quiet performance and low out-of-balance vibration
- Cool Operation: Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity
- Fixed-Angle Rotor: Fixed-Angle separations for up to six (6) tubes

## SAFETY

- Safety Lid Switch: Prevents centrifuge from operating unless the lid is closed and latched
- Positive Lid Latching: Firm mechanical latching of the lid prevents the escape of debris in case of tube breakage
- Clear Shatter Proof Lid: Allows for safe sample observation, optical calibrations, and access for photo tachometer
- Regulatory Approvals: Certified to United States and Canadian Safety standards
- Reinforced Side Walls: Glass fiber reinforced nylon & high-impact polycarbonate provide dual layers of protection

## 614B CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-004-009-001

- Electrical
- Voltage..... 115 Volts
- Frequency..... 60 Hz
- Max. Power Requirements..... 115 Watts
- Centrifuge Motor..... 1/30 H.P. Brushless AC

## Maximum Speed

- 6-Tube Fixed-Angle Rotor..... 3,250 RPM

## General

- Overall Dimensions..... Height..... 8.75 in. (22 cm)
- Width..... 11.75 in. (30 cm)
- Depth..... 14 in. (35.5 cm)
- Weight..... 11 lbs. (5 kg)
- Timer..... Mechanical, 1 to 30 minutes ( $\pm 10\%$ )
- Max. Acceleration Time..... 30 seconds
- Max. Deceleration Time..... 40 seconds
- Noise at 3 ft..... 55 db

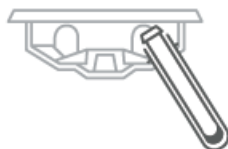
## Maximum Force

6-Tube Fixed-Angle Rotor..... 1,100 xg

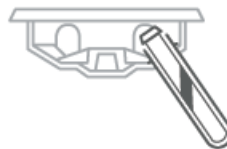
Preset to 3,250 RPM/1,100 xg

Also available with horizontal rotor


Loading Angle



Rotation Angle

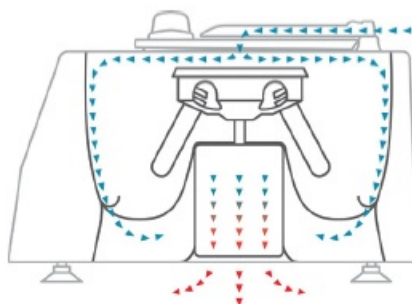


Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Fixed-Angle Rotor	1	7786047	For use with 75 mm, 100 mm, and 125 mm tubes
 75 mm Tube Holder	6	7713033	For use with 17 x 75 mm tubes
 100 mm Tube Holder	6	7713031	For use with 17 x 100 mm tubes

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

## Cool Operation

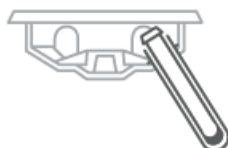
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



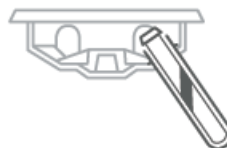
## Fixed-Angle Rotor Included

Used for spinning 75 mm, 100 mm, and 125 mm test tubes in specially designed tube holders

Loading Angle



Rotation Angle



## Warranty

Drucker Diagnostics warrants that this centrifuge is free from defects in workmanship and parts for 2 years.

[druckerdiagnostics.com](http://druckerdiagnostics.com)

+ 1-[877-231-3115](tel:877-231-3115) (U.S. only)  
+ 1-[814-692-7661](tel:814-692-7661)

## Documents / Resources



[Drucker Diagnostics 614B Fixed Angle Single Speed Centrifuge](#) [pdf] User Guide  
642E, 642M, 642B, 614B, 614B Fixed Angle Single Speed Centrifuge, 614B, Fixed Angle Single Speed Centrifuge, Single Speed Centrifuge, Speed Centrifuge, Centrifuge

## References

- [🔗 Clinical Laboratory Centrifuges | Drucker Diagnostics](#)
- [User Manual](#)

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