

# HORIZON

## 642VES FIXED-ANGLE

CAT.# 00-024-009-003



### PROGRAMMABLE MULTI-PURPOSE FIXED-ANGLE CENTRIFUGE

- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- DIGITAL TIME CONTROL
- DIGITAL SPEED CONTROL
- 3,900 MAX RPM
- 1,600 XG MAX RCF

### OVERVIEW

The Model 642VES Fixed-Angle Centrifuge provides the flexibility and performance that clinical laboratories require. Programmable force (from 250 xg to 1,600 xg) and time settings are controlled via an easy to use digital display. The universal power supply and global safety approvals allow the 642VES fixed-angle centrifuge to meet all your global needs.

### APPLICATIONS

The 642VES fixed angle offers the flexibility needed to prepare blood chemistry specimens, urine, platelet rich plasma (PRP), and platelet poor plasma (PPP). With its compact size, the 642VES is ideal for any application where flexible settings are needed and 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 642VES.

#### FEATURES

**Electronic Timer with Display:** Scrollable between 1 and 99 minutes

**Capacity:** Six (6) tubes from micro tubes (.5 mL) up to 17 mm x 125 mm (15 mL) tubes

**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

**Footprint:** Compact design uses less than 1 sq. ft. of counter space

#### SAFETY

**Automatic Lid Lock:** Centrifuge will not run with the lid open and the lid cannot be opened while samples are spinning

**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

**Global Regulatory Approvals:** Certified to US, Canadian, and European Safety standards

**Reinforced Guard Bowl:** Provides maximum safety and durability

**642VES CENTRIFUGE SPECIFICATIONS**  
**CATALOG NUMBER: 00-024-009-003**

**Electrical**

Voltage..... 115-230 Volts  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

**General**

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Timer ..... Electronic, 1 to 99 minutes  
 Max. Acceleration Time ..... 18 seconds  
 Max. Deceleration Time..... 20 seconds



**Maximum Speed**


6-Tube Fixed Angle Rotor ..... 3,900 RPM

**Maximum Force**

6-Tube Fixed Angle Rotor ..... 1,600 xg

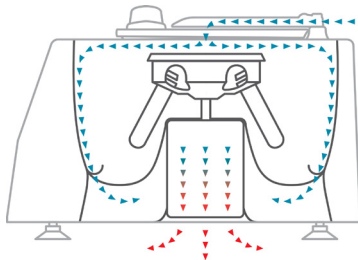
Also available with horizontal rotor.

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Fixed Angle Rotor	1	7786068	High Strength Glass Fiber
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

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 Operations**

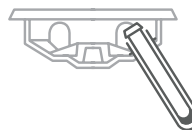
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



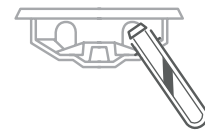
**Fixed-Angle Rotor Included**

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

**Loading Angle**



**Rotation Angle**



**Warranty**

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



druckerdiagnostics.com

+1-877-231-3115 (U.S. only)  
 +1-814-692-7661

