

# HORIZON

## 642VES



HORIZONTAL CLINICAL CENTRIFUGE  
**6 TUBES PROGRAMMABLE, MULTI-PURPOSE**  
FOR HIGH-QUALITY ANALYTICAL RESULTS

## OVERVIEW

The Model 642VES provides the flexibility labs need for a wide variety of specimen types. Providing g-forces as low as 250 xg for Platelet Rich Plasma (PRP) or as high as 2,000 xg for Platelet Poor Plasma (PPP), the 642VES provides the performance that clinical laboratories require. Programmable force and time settings are simple to use as a digital readout clearly displays the RPM and time settings. The universal power supply and global safety approvals allow the 642VES to meet your global needs.

## APPLICATIONS

This centrifuge is ideal for Platelet Poor Plasma, Platelet Rich Plasma, Coagulation, Clinical Chemistry, Urine Sedimentation, and Specialty Applications. The performance of the 642VES maximizes sample integrity by keeping your patient samples cool during centrifugation, by providing high quality gel separation layers, and by minimizing the presence of cells or fibrin strands in the serum or plasma. The universal power supply and global safety approvals allow the 642VES to meet your global needs.

## 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 100 mm (10 mL)

**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: 00-024-009-002

### General



Overall Dimensions..... Height..... 8.75 in. (22 cm)  
 Width..... 11.75 in. (30 cm)  
 Depth..... 14.0 in. (35.5 cm)  
 Weight..... 12 lbs. (5.4 kg)  
 Max. Acceleration Time..... 18 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic, 1 to 30 minutes,  
 preset to 10 minutes, +5% / -2%


### Electrical

Voltage..... 120/220 Volts (± 10/25 Volts)  
 Frequency ..... 50/60 Hz  
 Max. Power Requirements..... 165 Watts  
 Protection Breaker..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

**Speed** ..... 1,000 - 3,800 RPM

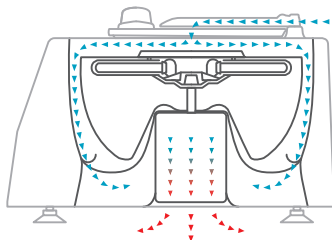
**Maximum Force** ..... 2,050 xg

| Parts Included   | QTY Included | Part Number | COMMENTS                                      |
|--|--------------|-------------|---|
|  6 Place Horizontal Rotor | 1            | 7786067     | 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

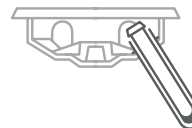
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



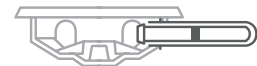
### 2-Stage Horizontal Rotor Included

Our patented swing-out horizontal rotor design incorporates a unique test tube holder that produces the ideal horizontally separated samples

Loading Angle



Rotation Angle



### Warranty

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



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

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