



## The Horizon 842VES

**A Lean Laboratory's Best Friend**  
High-performance capabilities provide high-quality **serum or plasma** in as little as **5 minutes**.

### OVERVIEW: The 842VES can reduce your Receipt-to-Verify time by as much as 50%!

This high speed centrifuge can take samples from accessioning directly to centrifugation; no batching, no waiting, no more walking back and forth to your large batch centrifuge.

When used directly at the accessioning station, the 842VES makes every sample a STAT sample. 5-minute serum or plasma separations increase lab efficiencies and greatly improve your receipt-to-verify time, decrease patient-wait-time, decrease the length-of-stay in your Emergency Department and increase patient satisfaction. Whether used for all routine samples or just STAT samples, the 842VES will be your lab's best friend.

### FEATURES

- **Electronic Timer:** Variable from 1 - 99 minutes
- **Capacity:** 6 tubes up to 17 mm x 100 mm in size
- **Brushless DC Motor:** High-performance ½ hp with no routine maintenance
- **Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration
- **Cool Running:** Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads
- **Footprint:** Compact design uses approximately 1 sq. ft. of counter space
- **End of Cycle Alarm:** Audible and visual alarms signal when centrifugation cycle is complete.

### 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 Lid:** Offers safe observation and access for phototachometer
- **Regulatory Approvals:** Certified to US, Canadian, and European Safety standards.
- **Reinforced Guard Bowl:** Provides maximum safety and durability

### APPLICATIONS

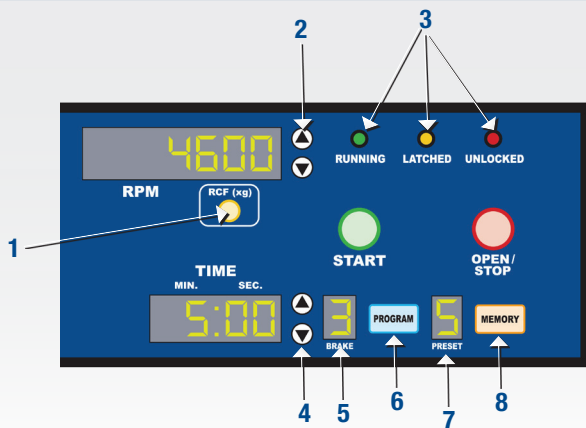
- **STAT Sample Processing**
- **Coagulation**
- **Chemistry**
- **Semen**
- **Urine**
- **General Purpose Use**

## 842VES CENTRIFUGE FEATURES



- 1..... Horizontal Rotor (Standard)
- 2..... Locking Knob
- 3..... Clear Lid for Easy Viewing
- 4..... Lid Safety Interlock System
- 5..... Control Panel (see below)
- 6..... Steel Cabinet

## 842VES CENTRIFUGE CONTROL PANEL



- 1..... RCF Conversion Button
- 2..... Up/Down RPM Change Buttons
- 3..... Indicator Lights
- 4..... Up/Down Time Change Buttons
- 5..... Brake Display
- 6..... Program Button
- 7..... Memory Preset Display
- 8..... Memory Button

## 842VES CENTRIFUGE SPECIFICATIONS

### Electrical

Voltage.....	115/230 Volts (± 10%)
Frequency.....	50/60 Hz
Max. Power Requirements .....	200 Watts
Protection Breaker .....	4 Amp. Re-settable
Centrifuge Motor .....	1/2 H.P. Brushless DC

### General

Overall Dimensions .....	Height.....	8 in. (20 cm)
	Width.....	11 in. (28 cm)
	Depth.....	13.5 in. (34 cm)
Weight .....		23 lbs. (10.5 kg)
Min. Acceleration Time.....		15 seconds
Min. Deceleration Time .....		15 seconds
Timer .....		Electronic, w/hold or 0 to 99 minutes, (± 1%)

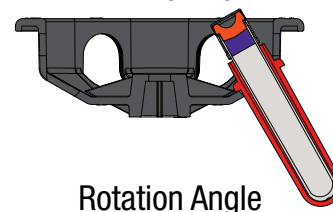
<b>Speed</b> .....	4,600 (± 100) RPM
<b>Force</b> .....	3,000 (± 90) x g

### Warranty

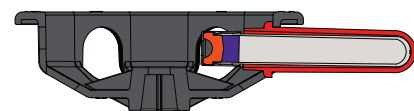
The Drucker Diagnostics warranties that this centrifuge is free from defects in workmanship and parts for 2 years.

### 2-Stage Horizontal Rotor

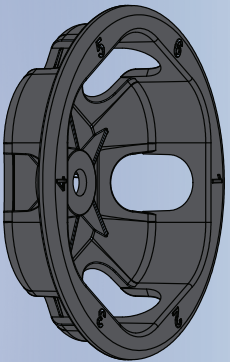
Loading Angle



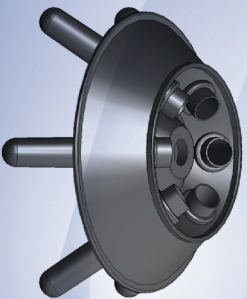
Rotation Angle



# 842VES CENTRIFUGE ROTOR & ACCESSORIES








6 Place Horizontal Rotor  
p/n 7786061  
(Included)



6 Place Fixed-Angel Rotor  
p/n 7786047  
(Optional)

Included with each centrifuge

	QTY Included	Part Number	Comments
	6	771 3079	For use with 75-100 mm tubes (3 mL-10 mL)
	2	771 3064	For use with 13 x 75 mm tubes
	2	771 3066	For use with 13 x 100 mm tubes
	2	771 3068	For use with tubes up to 1 mL
	2	771 3065	For use with tubes between 1.5 mL and 2 mL






Optional Accessories

	0.25" Cushion Spacer	Available as an accessory	91 50	For use with glass vials or tubes
	17mm x 125mm Tube Holder	Available as an accessory	771 3044	For use with 17 x 125 mm tubes

# RECOMMENDED CENTRIFUGE SETTINGS

## FOR MODEL 842VES

Based on manufacturer's instruction's for use

APPLICATION		RPM	TIME	G-FORCE
	Urine Sedimentation	1,800 RPM	5	450 xg
	Vacutainer® SST & PST with gel	3,000 RPM	10	1,300 xg
	Vacutainer® Citrate Coagulation	3,300 RPM	15	1,500 xg
	Vacurette® SST & PST with gel	3,600 RPM	10	1,800 xg
	Vacurette® Citrate Coagulation	3,600 RPM	10	1,800 xg

### Alternate STAT Settings\*

APPLICATION	RPM	TIME	G-FORCE
All brands SST	4,500 RPM	4	2,800 xg
All brands PST	4,500 RPM	5	2,800 xg
All brands Coag	4,500 RPM	7	2,800 xg

\* Alternate centrifugation setting should be validated by the laboratory

Vacutainer is a registered trademark of Becton Dickinson

Vacurette is a registered trademark of Greiner Bio-One

Protected by U.S. Patents #6.811.531

Other Patents Pending

 Made in the U.S.A.

NOTE: Specifications subject to change.

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