OVERVIEW
The Model 642VFD is the global version of the popular clinical centrifuge 642E. The built-in universal power supply and UL/CE safety approvals allow for global use. The programmable single-speed centrifuge is simple yet flexible enough for any application and its performance provides the 500 xg - 2,000 xg recommended by Kova Urine Tubes®, BD Vacutainers®, Greiner Vacuettes®, Starstedt S-Monovettes®, and more.

APPLICATIONS
Using patented rotor technology, the 642VFD reduces blood separation processing times by 33% or more while minimizing the use of valuable counter space. The performance of the 642VFD maximizes sample integrity by keeping your patient samples cool during centrifugation, by providing high-quality gel separation, and by minimizing the presence of cells or fibrin strands in the strum or plasma. This programmable, single-speed centrifuge is simple yet flexible enough for any application.

FEATURES
- **Electronic Timer**: Preset to 10 minutes, selectable from 1 to 30 minutes
- **Capacity**: Up to six (6) 17 mm x 100 mm 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
642VFD CENTRIFUGE SPECIFICATIONS
CATALOG NUMBER: 00-025-009-001

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

Max Speed ................................. 3,800 (± 100) RPM
Maximum Force ......................... 2,050 (± 90) xg

Parts Included
<table>
<thead>
<tr>
<th>QTY Included</th>
<th>Part Number</th>
<th>COMMENTS</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>7786067</td>
<td>High strength glass fiber</td>
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<tr>
<td>6</td>
<td>7713079</td>
<td>For use with 75 - 100 mm tubes (3 mL - 10 mL)</td>
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Optional Accessories
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<tr>
<td>Available as an accessory</td>
<td>00-079-009-001</td>
<td>Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.</td>
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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

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