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**Drucker Centrifuge
 Model 642E
 Calibration Procedure**

The running speed of Model 642E is not adjustable but should be periodically checked to ensure that the centrifuge is operating within factory specifications. The speed should be checked at least every two years or whenever a performance problem is suspected.

To check the speed, please use the following procedure:

1.	Plug the centrifuge into an approved 115 Volt A.C. electrical outlet.				
2.	Unlock the lid by pressing the 'OPEN / EMERGENCY STOP' button.				
3.	Open the lid.				
4.	Locate the reflective tape on the rotor. If no tape is present, place a piece onto the rotor where it will be visible through the lid.				
5.	Identify the tube holders inside the rotor. Model 642E comes with a set of six (6) 100mm red tube holders and a set of six (6) 75mm green tube holders. Make sure that the tube holders in the rotor are all of the same type.				
6.	Close and latch the lid. The lid is properly latched when the yellow 'LATCH' indicator light is illuminated.				
7.	Turn the centrifuge on by pressing the 'START' button.				
8.	Wait sixty (60) seconds to allow the rotor to reach full speed.				
9.	Turn on the photo tachometer and point it at the reflective tape to measure the rotational speed of the rotor.				
10.	Compare the measured speed with the manufacturer's specifications: <table border="1" data-bbox="402 1398 1216 1495"> <tr> <td>75mm Green Tube Holders</td> <td>3400 RPM +/- 100 RPM</td> </tr> <tr> <td>100mm Red Tube Holders</td> <td>3380 RPM +/- 100 RPM</td> </tr> </table>	75mm Green Tube Holders	3400 RPM +/- 100 RPM	100mm Red Tube Holders	3380 RPM +/- 100 RPM
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11.	If the centrifuge fails to meet this requirement it may require service.				