

Centry™ 101 Plate Centrifuge

User's Guide

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Introduction

The CENTRY™ 101 Plate Centrifuge is designed for low speed applications and quick spin downs of PCR plates and microplates. An adapter carrier is also available for 0.2 mL PCR strips and tubes.

Specifications

CENTRY 101 PLATE CENTRIFUGE	
Speed	2550 rpm / 600 x g
Capacity	Two PCR Plates (or microplates) 192 x 0.2 mL or 24 x PCR strips
Dimensions (WxDxH)	23 x 26 x 19.7 cm / 9.2 x 10.2 x 7.75 in.
Electrical	120V / 50-60 Hz 220 to 240V / 50-60 Hz
Maximum Radius	8 cm

Installation

Place the CENTRY 101 Plate Centrifuge on a flat and level surface nearby an electrical outlet.

NOTICE

Do not place the CENTRY 101 Plate Centrifuge near a heat source or in direct sunlight.

Operation

1. Attach the power cord and place the power switch into the on “I” position.
2. Open the lid and load your samples into the included rotor. Always ensure a balanced load.

NOTE

The CENTRY 101 Plate Centrifuge should never be started with one plate or two plates that are not equally balanced. Additional information can be found in [Loading the Rotor on page 6](#).

3. Close the lid, and the rotor quickly accelerates to the maximum speed of 2550 rpm. The plate carriers automatically swing out to a fully horizontal position, resulting in even spin downs that will be concentrated at the bottom of the plate wells.
4. When the desired run time is completed, pull on the lid tab to open the lid. The rotor quickly brakes to a stop and the samples can be retrieved.

CAUTION

Do not attempt to remove samples until the rotor has come to a complete stop.

Loading the Rotor

To ensure safe operation and long life of the instrument, samples must always be loaded into the rotor in a balanced fashion.

Plates must always be loaded in the center of the carrier. When loading non-skirted plates, it is important to line up the wells of the plate with those shown on the plate carrier. Starting the CENTRY 101 Plate Centrifuge with the plates not properly centered will result in an unbalanced load and increased vibration



Figure 1
Example of Properly
Balanced Rotor



Figure 2
Example of Improperly
Balanced Rotor

Maintenance

The CENTRY 101 Plate Centrifuge rotor can be removed for cleaning by removing the center thumbscrew and lifting the rotor upward. Once removed, the rotor can be cleaned with isopropyl alcohol or can be sterilized in an autoclave at 121°C for 20 minutes.

Ordering Information

PART NUMBER	DESCRIPTION
36117390	CENTRY 101 Plate Centrifuge, 115V, US Cord
36117400	CENTRY 101 Plate Centrifuge, 230V, EU Cord
36117410	CENTRY 101 Plate Centrifuge, 230V, UK Cord
36117420	CENTRY 101 Plate Centrifuge, 230V, AU Cord

Warranty

Gilson warrants this instrument against defects in material under normal use and service for two years from the date of purchase. This warranty is valid only if the instrument is used in the manner described in this guide and for the purpose for which it is designed. Gilson is not responsible for consequential damages resulting from the misuse or bad cleaning or decontamination of this instrument. Enclose with the returned instrument a description of the problem that has occurred.

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