

# CENTRY™ 103 Minicentrifuge

## SPECIFICATIONS

### APPLICATIONS

The CENTRY™ 103 Minicentrifuge is an easy-to-use and portable benchtop device ideal for the quick separation of particles from a supernatant with the use of centrifugal force. It also enables a quick spin down of a drop of liquid from the walls of microtubes.

The most common applications of the CENTRY 103 Minicentrifuge are:

- General sedimentation
- Cell separation
- Microfiltration
- Sample preparation for PCR, cell culture, protein isolation, purification, etc.

### FEATURES

#### Compact and Portable

- Battery compartment: the instrument can be operated with four AA alkaline batteries
- Compact design, dimensions (W x D x H): 150 x 163 x 113 mm
- Lightweight: 600 g (excluding rotor and batteries)

#### Safe

- Opening the lid engages the brake
- Automatic stop after six minutes of continuous spinning
- Rotors tightly secured by a pinch-type connector
- Overcurrent fuses and motor overcurrent detector

#### Effective

- Start the operation by pressing down on the lid
- End the operation by pressing down on the lid, which lifts automatically when the rotor is stopped
- Fixed speed of 6,000 rpm quickly reached
- Round rotor: holds up to eight 1.5 mL or 2.0 mL microtubes
- Rectangular-shaped rotor: accommodates two tube-strips of eight connected 0.2 mL microtubes
- Universal AC adapter with five different plugs
- Power indicator light





## SPECIFICATIONS

	ROTOR 8 TUBES 1.5-2.0 mL (PN F1077310)	ROTOR 2 TUBE-STRIPS 8 x 0.2 mL (PN F1077311)
Dimensions (W x D x H)	150 x 163 x 113 mm	
Weight	600 g (excluding rotor and batteries)	
Max. Capacity	8 microtubes: 1.5 mL or 2.0 mL	2 PCR strips: 0.2 mL x 8 tubes
Speed	6,000 rpm (+/- 20%)	6,200 rpm (+/- 20%)
Relative Centrifugal Force (RCF)	1,310-2,960 G (2.0 mL) 1,260-2,840 G (1.5 mL)	Max. 1,200-2,690 G Min. 810-1,820 G
Safety	Automatic stop after 6 minutes (fixed timer) Lid opening engages the brake Overcurrent fuse and motor overcurrent detector (the motor locks when the rotor is unbalanced)	
Power	AC adapter with 5 different plugs (1 SKU) Input: 1-Phase AC 100-240V   50/60Hz   0.6A Or four AA size alkaline batteries	
Autonomy with batteries (approx. indication)	<ul style="list-style-type: none"> <li>about 170 cycles of 10 seconds spinning</li> <li>about 7 cycles of 6 minutes spinning</li> </ul>	<ul style="list-style-type: none"> <li>about 500 cycles of 10 seconds spinning</li> <li>about 15 cycles of 6 minutes spinning</li> </ul>
Warranty	12 months	

## DESCRIPTION AND MATERIALS



- 1** Lid
- 2** Chamber
- 3** Motor shaft boss
- 4** Power indicator light
- 5** Main power switch
- 6** AC adapter connector
- 7** Battery compartment  
4 AA size / LR6, alkaline batteries (1.5V)
- 8** Rotor for microtubes:  
2.0 mL or 1.5 mL x 8 microtubes
- 9** Rotor for tube-strips:  
2 lines of 0.2 mL x 8 connected microtubes
- 10** AC adapter  
Input voltage: AC 100-240V, 50/60 Hz
- 11** Type C (EU)
- 12** Type A (Japan/USA)
- 13** Type A (China)
- 14** Type G (UK)
- 15** Type I (Australia)

SUB-ASSEMBLY	MATERIAL
Lid	Polycarbonate (PC)
Chamber	Polypropylene (PP)
Motor shaft boss	Acrylonitrile butadiene styrene (ABS)
Battery compartment	Acrylonitrile butadiene styrene (ABS)
Rotors	Acrylonitrile butadiene styrene (ABS)
Body (dark blue)	Thermoplastic styrenic elastomer (TPS)



## ORDERING INFORMATION

DESCRIPTION	PART NUMBER
CENTRY™ 103 MINICENTRIFUGE	F110736

## ACCESSORIES & SPARE PARTS

DESCRIPTION	PART NUMBER
CENTRY 103 ROTOR 8 TUBES 1.5-2.0 mL	F1077310
CENTRY 103 ROTOR 2 TUBE-STRIPS 8 x 0.2 mL	F1077311
CENTRY 103 MOTOR SHAFT BOSS	F1077312
CENTRY 103 AC ADAPTER WITH 5 PLUGS	F1077313

## REGULATORY COMPLIANCE

The CENTRY 103 Minicentrifuge conforms to the following safety standards:

### EU Directives

- Low voltage equipment: **2014/35/EU**
- Electromagnetic compatibility: **2014/30/EU**
- Restriction of hazardous substances: **2011/65/EU**

### Standards for EU

Safety requirements for electrical equipment for measurement, control, and laboratory use.

- General requirements: **EN61010-1: 2001**
- Particular requirements for laboratory centrifuges: **EN61010-2-020: 2006**
- Electrical equipment for measurement, control, and laboratory use – EMC requirements: **EN61326-1: 2013**

## WARRANTY

Gilson warrants the CENTRY 103 Minicentrifuge against defects in material under normal use and service for 12 months from the date of purchase. This warranty is valid only if the CENTRY 103 Minicentrifuge and its components are used in the manner described in this document and for the purpose for which it is designed.

Gilson is not responsible for consequential damages resulting from the misuse, bad cleaning, or decontamination of this instrument.

Forced opening of the instrument invalidates any warranty claim. Enclose with the returned instrument a description of the trouble that has occurred and specify which reagents were used.

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