



**Thermo Scientific
Heraeus Labofuge 400
and 400 R Centrifuges**

**Great value and performance
for everyday use in the lab**

Thermo Scientific Heraeus Labofuge 400 and 400 R



Our Heraeus® Labofuge® 400 and 400 R benchtop centrifuges—ideal for average-sized samples in routine lab applications for research, biology and medicine.

Heraeus Labofuge 400

Our air cooled system reduces operational noise (operates at less than 58 dB).

The versatile swinging bucket rotor can accommodate round buckets and a full range of adapters to accommodate the most common tubes. Our selection of Thermo Scientific Centri-Lab adapters accept a variety of centrifugation tubes in the swinging bucket rotor.

Heraeus Labofuge 400 R

Our centrifuge ensures low temperatures (0–4 °C) even during long runs or centrifugation at high speeds.

The Heraeus Labofuge 400 R centrifuge operates with the same versatile range of rotors and accessories as the Heraeus Labofuge 400 centrifuge, but achieves significantly higher speeds.

A microprocessor-controlled temperature surveillance system prevents samples from freezing.





Accessories

We have developed safety carts for the Heraeus Labofuge 400 and 400 R so that they can be used in an underbench set-up or as mobile tabletop units.

Service

Heraeus centrifuges are designed for everyday use in the laboratory.

The Heraeus Labofuge 400 can also take a rotor which holds 2 microplates. Used together with a 24-place fixed angle rotor for 1.5/2.0 ml microliter tubes, the Heraeus Labofuge 400 is transformed into a high-speed microliter centrifuge.

Biocontainment

As an alternative, the rotor can be sealed with an aerosol-tight screw lid for applications involving radioactive or infectious materials. A snap lid for quick closing and an aerosol-tight lid are both included. The swinging bucket rotor's round buckets can also be sealed with aerosol-tight screw caps.

Our centrifuges are designed with state-of-the-art technology, providing clear advantages for routine operations.

- User-friendly Megacontrol II microprocessor-controller
 - LED indicators for temperature, speed, RCF settings and runtime (1–99 min, continuous operation)
 - Quick-run function for short spins
 - Soft-start/soft-brake function for gentle centrifugation and tapered braking for sensitive samples
- Effective safety concept (complies with IEC 1010)
 - Automatic imbalance cut-out
 - Steel jacket system
 - Rotor overspeed protection
 - Accessories for aerosol-tight centrifugation
- Maintenance-free induction drive

- Heraeus Labofuge 400 R operates with highly effective, environmentally safe cooling technology
 - Standstill cooling
 - R134a, CFC-free refrigerant
 - Sample freezing protection



Thermo Scientific Heraeus Labofuge 400 and 400 R Rotors and Accessories



Swinging bucket rotor 75008179 with round bucket 75008172 (left) and aerosol-tight cap 75008173.



Microplate rotor 75008177



Fixed angle rotor for microliter tubes 75003325

Accessories

Description	Cat. No.
Swinging bucket rotor for 4 x 180 ml	75008179
Round bucket	75008172
Aerosol-tight cap for round bucket	75008173
180 ml (polypropylene) bottle with screw lid (without adapter)	76003026
Rotor for microplates	75008177
Fixed angle rotor for 18 x 15 ml	75008178
Adapter for reduction to 7 ml	75003053
24-place microliter rotor with snap-on lid and aerosol-tight screw lid ¹⁾	75003325

¹⁾ For information concerning accessories please contact your local sales representative





Centri-Lab Adapters for Round Buckets

Description	Rotor Capacity	Max Tube Dimensions (diameter x length, mm)	Cat. No.
Adapters for round bucket, 75008172 (sold individually unless otherwise noted)			
2 1.5/2.0 ml microliter tube flat bottom/conical bottom	48	11x44	75008190
7 ml borosilicate tube with dimensions according DIN flat bottom/round bottom	36	13x125	75008189
7 ml blood collection tube flat bottom/round bottom	28	14x126	75008188
12 ml conical urine tube conical bottom	8	17x127	75008195
15 ml borosilicate tube with dimensions according DIN flat bottom/round bottom	28	17x126	75008186
15 ml blood collection tube flat bottom/round bottom	16	17x129	75008185
15 ml conical tissue culture tube conical bottom	12	17x133	75008187
15 ml conical tissue culture tube conical bottom	4	17x133	75008197 ¹⁾
25 ml universal container flat bottom	4	25.5x121	75008196 ¹⁾
25 ml borosilicate tube with dimensions according DIN flat bottom/round bottom	8	25x126	75008184
50 ml borosilicate tube with dimensions according DIN flat bottom/round bottom	4	35x132	75008182
50 ml conical tissue culture tube conical bottom	4	29.5x133	75008183
100 ml borosilicate tube with dimensions according DIN flat bottom/round bottom	4	48x128	75008181

1) Not available for sale in the U.S.



Protect Your Investment

Centrifuge rotor maintenance is critical to the safety of your lab. We offer rotor safety seminars and rotor inspection and safety clinics to ensure the longevity of your investment, and the safety of your workplace. If you would like to learn more about hosting a clinic at your facility or taking part in one at one of our facilities, please contact your local sales representative for further information.

Thermo Scientific Heraeus Labofuge 400 and 400 R Centrifuges



Specifications		Heraeus Labofuge 400	Heraeus Labofuge 400 R
Maximum Capacity	ml	4 x 180	4 x 180
(fixed angle rotor)		18 x 15 mL	18 x 15 mL
(swinging bucket rotor)		4 x 100 mL DIN	4 x 100 mL DIN
		28 x 7/15 ml blood sample	28 x 7/15 ml blood sample
Maximum RCF	x g	12,568	16,060
Speed Range	rpm	300 - 11,500, adjustable in increments of 100	300 - 13,000, adjustable in increments of 100
Control System		EASYcontrol II microprocessor controlled	EASYcontrol II microprocessor controlled
Maximum Noise Level		< 58 dB	< 58 dB
Run Time		1–99 min., continuous operation	1–99 min., continuous operation
Temperature Range	°C	N/A	0-40
Safety Standards		Manufactured and tested in accordance with EN 61 010-1, EN 61 010-2-020, EN 50 081-1, EN 50 082-1; UVV VBG 7z test is not required	Manufactured and tested in accordance with EN 61 010-1, EN 61 010-2-020, EN 50 081-1, EN 50 082-1; UVV VBG 7z test is not required
Dimensions (H x W x D)	mm (inch)	310 x 436 x 568 (12.2 x 17.2 x 22.4)	340 x 625 x 600 (13.4 x 24.6 x 23.6)
Weight	kg (lb)	40 (88)	74 (161)

Ordering Information	Heraeus Labofuge 400	Heraeus Labofuge 400 R
230 V, 50/60 Hz, set incl. swinging bucket rotor, four round buckets and four aerosol-tight caps	75008370	75008375
230 V, 50/60 Hz, set incl. rotor for microplates	75008371	—
230 V, 50/60 Hz, without accessories	75008150	75008162
110-120 V, 60 Hz, without accessories	75008157	75008164

For easy ordering, take advantage of our low-priced "sets" (not in USA), completely equipped to handle a wide range of centrifugation applications.

Accessory Carts	Heraeus Labofuge 400	Heraeus Labofuge 400 R	
	Underbench		
	H x W x D mm (inch)	270 x 470 x 530 (10.6 x 18.5 x 20.9)	270 x 715 x 570 (10.6 x 28.1 x 22.4)
	Storage	1 drawer	1 drawer
	Cat No.	76000070	76000071
	Mobile Tabletop		
	H x W x D mm (inch)	590 x 470 x 530 (23.2 x 18.5 x 20.9)	590 x 715 x 570 (23.2 x 28.1 x 22.4)
Storage	2 drawers	2 drawers	
Cat No.	76000080	76000081	

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