



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

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

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Thermo Scientific Heraeus Labofuge 400 and 400 R



Our Heraeus Labofuge 400 and 400R 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 less than 58 dB).

The versatile swinging bucket rotor can accommodate round buckets or special cyto buckets. Our selection of Thermo Scientific Centri-Lab® adapters accept a variety of centrifugation tubes in the swinging bucket rotor.

All common types of cyto centrifugation can be carried out with the cyto bucket in combination with our extensive range of accessories.

Heraeus Labofuge 400 R

The Heraeus Labofuge 400 R 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 Labofuge 400 and Labofuge 400 R so that they can be used in an underbench set-up or as mobile table-top units.

Service

Heraeus centrifuges are designed for everyday use in the laboratory.

The 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 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.

A 24-place haematocrit rotor for determining exact haematocrit values can also be used in the Labofuge 400.¹⁾

¹⁾ Not available for sale in the U.S.



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



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Thermo Scientific Heraeus Labofuge 400 and 400 R Rotors and Accessories



Swinging bucket rotor 75008179 with round bucket 75008172 (left), aerosol-tight cap 75008173 (middle) and cyto bucket 75008176 (right)



Microplate rotor 75008177



Fixed angle rotor for microliter tubes 75003325



Haematocrit rotor 75008171¹⁾

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



Cyto accessories

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
Cyto bucket for cyto accessories	75008176
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
24-place haematocrit rotor incl. reading graph (not sold in USA)	75008171

¹⁾ For information concerning accessories please contact your nearest Thermo representative

Accessories for Swinging Bucket Rotor 75008179 and Cyto Bucket 75008176

Type	Description	Cat. No.
100 micro tubes	0.75 ml with 0.5 mm bottom opening	75001153
	1.5 ml with 0.5 mm bottom opening	75001152
Lid	For working without micro tubes	76003422
Cyto container	With 2 cylindrical bores for sample volumes of approx. 1.5 ml	75003415
Cyto container	With 2 conical bores for sample volumes of approx. 3.0 ml	75003416
100 filter cards	For cyto container 75003415	76003424
	For cyto container 75003416	76003425
Tube carrier	For cyto container and slide	75003414



Centri-Lab Adapters for Round Buckets

Description	Rotor Capacity	Max Tube Dimensions (diameter x length, mm)	Catalog Number
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.

Safety Trolleys

Description	H x W x D mm (inch)	Cat. No.
Underbench Unit:		
For Labofuge 400	270 x 470 x 530 (10.6 x 18.5 x 20.9)	76000070
For Labofuge 400 R	270 x 715 x 570 (10.6 x 28.1 x 22.4)	76000071
Mobile Tabletop Unit:		
For Labofuge 400	590 x 470 x 530 (23.2 x 18.5 x 20.9)	76000080
For Labofuge 400 R	590 x 715 x 570 (23.2 x 28.1 x 22.4)	76000081



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 Thermo Scientific product representative for further information.

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Thermo Scientific Heraeus Labofuge 400 and 400 R centrifuges



Specifications		Labofuge 400	Labofuge 400 R
Maximum Capacity	ml	4 x 180	4 x 180
(fixed angle rotor)		6 x 15/50 ml Falcon	6 x 15/50ml Falcon
		4 x 100 ml DIN	4 x 100 ml DIN
(swinging bucket rotor)		4 x 15/50 ml Falcon	4 x 15/50 ml Falcon
		12 x 7/15 ml blood sample	12 x 7/15 ml blood sample
Maximum RCF	x g	13,749	14,926
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
Programs			
Drive System		Induction drive without carbon brushes	Induction drive without carbon brushes
Precooling Function			
Functions			
Acceleration/Braking Rates		9/2	9/2
Maximum Noise Level		< 58 dB	< 58 dB
Run Time			
Temperature Range	°C	N/A	0 – 4
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)
Electrical			

Ordering Information	Labofuge 400	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

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