



**Thermo Scientific Heraeus Pico
and Fresco Microcentrifuge Series**



**a new separation
experience**

Thermo
SCIENTIFIC



Thermo Scientific Heraeus Pico and Fresco

Our **Thermo Scientific Heraeus Pico** and **Fresco** microcentrifuges combine power, versatility and convenience in a safe, compact, easy-to-use lab instrument. Both the ventilated Heraeus® Pico® and the refrigerated Heraeus Fresco® microcentrifuges are designed to accelerate your routine sample preparation processes by providing high speed and generous capacity along with outstanding safety and convenience.

From the intuitive controls, to the innovative Thermo Scientific ClickSeal biocontainment lid, the Heraeus Pico and Fresco microcentrifuges deliver the perfect blend of capabilities to support your micro-volume protocols such as nucleic acid or protein lysate preparation and PCR reaction set up – all in a remarkably small footprint.



See the new separation experience in action at
www.thermoscientific.com/centrifugevideos

Highly visible display can be read across the lab.



powerful, versatile, easy to use

Available in two speed options, the **Heraeus Pico and Fresco 17 microcentrifuges** are perfect for routine laboratory work, while the **Heraeus Pico and Fresco 21 microcentrifuges** are ideal for high-end research applications, reducing spin times by up to 20%.

Coupled with our extensive rotor selection, **achieve the speed and versatility** you need to carry out complex as well as simple protocols:

- ▶ Our standard rotor runs 24 tubes in a single row with equalized g-forces for reproducibility, from 1.5 to 2.0 mL tubes to mini-preps and spin columns
- ▶ A unique dual row rotor holds 18 x 1.5/2.0 mL and 18x 0.5 mL tubes, eliminating the need for adapters
- ▶ Special high-capacity rotors support 0.5 mL microtubes, 0.2 mL PCR tubes and hematocrit capillary tubes

Save time by processing samples faster

- ▶ Exceptional acceleration up to 21,100 xg in 12 seconds
- ▶ Refrigerated versions offer cooling in just nine minutes

Unique ClickSeal® biocontainment rotor lid “clicks” in place, providing **assurance that samples are securely contained**, and with one click opening, shortens retrieval time compared to screw-on lids

New PPSU lids have **improved strength and chemical resistance** compared with polycarbonate and metallic lids, and transparency enables viewing for added safety and convenience

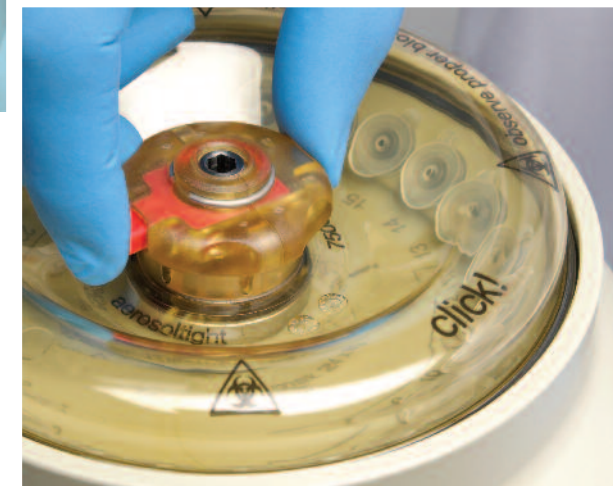
Quiet performance (<56 dBA ventilated and <50 dBA refrigerated) provides a safe, stress-free environment

Intuitive controls and **easy-to-read display** simplifies operation

Highly resistant unit and rotor materials enables vigorous yet **easy cleaning**

Conforms to the latest clinical and safety standards, including **In Vitro Diagnostics (IVD) compliance**

Pico and Fresco



First in the industry ClickSeal biocontainment lids provide certified, ergonomic, one click rotor opening and closing.



24 spin columns in standard rotor with ClickSeal biocontainment lid



Unique dual row rotor eliminates adapters.



Thermo Scientific Microcentrifuge Rotors and Accessories

Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (xg)	Cat. No.
24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid  Standard rotor with exceptional versatility – 24 tubes per run from basic microtube processing to mini-preps and spin columns and additional flexibility with available adapters.	24 x 1.5/2.0	11 x 50	14,800	21,100	75003424
0.5/0.6 mL microliter tube adapters, pack of 24	24 x 0.5/0.6	7 x 32	14,800	21,100	76003252
0.25/0.4 mL microliter tube adapters, pack of 24	24 x 0.25/0.4	6 x 24	14,800	21,100	76003251
0.2 mL PCR tube adapters, pack of 24	24 x 0.2	6 x 24	14,800	21,100	76003250
36 x 0.5 mL rotor with screw-on lid Increase throughput for smaller microtubes.	36 x 0.5	7 x 32	14,800	19,300	75003436
Dual Row rotor 18 x 2.0 /0.5 mL with screw-on lid Accommodate two different size tubes in one rotor.	18 x 2.0/ 18 x 0.5	11 x 50	14,800	20,800	75003418
PCR 8 x 8 rotor with screw-on lid Centrifuge up to 8 PCR strips at one time.	64 x 0.2	6 x 24	14,800	17,100	75003489
PCR 4 x 8 rotor with ClickSeal biocontainment lid  Process up to 4 PCR strips with certified sample protection.	32 x 0.2	6 x 24	14,800	16,200	75003440
Hematocrit rotor Achieve capillary separations in less than 5 minutes with included linear scale to read results.	24 Capillaries		14,800	16,800	75003473
Capillaries, pack of 100	24 Capillaries				76000923
Linear scale reading graph					76000938

*Used with rotor 75003424 and rotor 75003440

Replacement Lids	Cat. No.
ClickSeal biocontainment lid*	75003410
Replacement o-ring set for ClickSeal lid – 75003410	75003405
Screw-on lid	75003406

Thermo Scientific Heraeus Pico and Fresco Microcentrifuges



Specifications	Heraeus Pico and Fresco 17	Heraeus Pico and Fresco 21
Max RCF	17,000 xg	21,100 xg
Max Speed	13,300 rpm	14,800 rpm
Max Noise Level	56 dBA (ventilated), 50 dBA (refrigerated)	
Acceleration/Deceleration Rates	8/9 seconds; 12/12 seconds ¹	
Time Set Range	1 min - 99 min; 1 min increments + HOLD mode	
Temperature Range ²	Set from -9 °C to +40 °C per 1 °C increment	
Certifications	CSA certified, CE marked, IVD compliant, Certified Biosafety	
Technical Standards	IEC 61010-1, IEC 61010-2, IEC 61010-020	
Dimensions, H x W x D		
Heraeus Pico	225 x 243 x 352 mm (8.86 x 9.56 x 13.8 in)	
Heraeus Fresco	330 x 295 x 445 mm (12.9 x 11.6 x 17.5 in)	

¹ In 120V models

² Heraeus Fresco only



Ordering Information	230V 50/60 Hz	120V 60 Hz	230V 50/60 Hz	120V 60 Hz
Heraeus Pico 17		Heraeus Fresco 17		
Heraeus microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002410	75002411	75002420	75002421
Heraeus microcentrifuge, includes hematocrit rotor	75002491	75002492	N/A	N/A
Heraeus Pico 21		Heraeus Fresco 21		
Heraeus microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002415	75002416	75002425	75002426
Heraeus microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid and dual row 18 x 2.0/0.5 mL rotor with screw-on lid	75002475	75002477	75002476	75002478

Experience our complete line of Thermo Scientific micro-volume solutions and **achieve the speed, capacity and versatility your protocols require – visit www.thermoscientific.com/microcentrifuge.**



© 2011 Thermo Fisher Scientific Inc. All rights reserved. HERAEUS is a registered trademark of Heraeus Holding GmbH licensed to Thermo Fisher Scientific. All other trademarks used are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

North America: USA/Canada +1 866 984 3766 (866-9-THERMO)

www.thermoscientific.com/microcentrifuge

Europe: Austria +43 1 801 40 0, Belgium +32 53 73 42 41, France +33 2 2803 2180, Germany national toll free 08001-536 376, Germany international +49 6184 90 6940, Italy +39 02 95059 448, Netherlands +31 76 579 55 55, Nordic/Baltic/CIS countries +358 9 329 10200, Russia +7 812 703 42 15, Spain/Portugal +34 93 223 09 18, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

Asia: Australia +61 39757 4300, China +86 21 6865 4588 or +86 10 8419 3588, India toll free 1800 22 8374, India +91 22 6716 2200, Japan +81 45 453 9220, New Zealand +64 9 980 6700, Other Asian countries +852 2885 4613 **Countries not listed:** +49 6184 90 6940

Thermo
SCIENTIFIC

Part of Thermo Fisher Scientific