



FRONTIER™ 2000

Micro Centrifuges



Economical, Safe and Reliable High-Speed Micro Centrifuge

The Frontier FC2516 High Speed Microcentrifuge reaches a maximum speed of 16,500 rpm/19,080 x g, and accommodates five rotors to handle a sample range from 1.5 to 10 mL. A simple interface allows users to easily change between various functions and set up to nine programs. The centrifuge is designed to meet most high-speed molecular biology lab applications.

Unique Features Include:

- Designed for safety - the imbalance sensor identifies a rotor imbalance and stops operation to protect the user. The lid's unique design allows it to remain open at all angles, preventing accidental closure.
- View or adjust speed/time during operation easily with the backlit LCD display. Lid automatically opens after the run is complete and the single-turn rotor lid allows users to access the samples fast.
- FC2516 uses a quiet and maintenance-free brushless DC motor. The centrifuge housing, chamber and rotor buckets are constructed of corrosion-resistant stainless steel that holds up well to organic solvents.

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Specifications

MODEL	FC2516
Speed Range	300 – 16,500 rpm; 5 rpm/increments
Maximum RCF	19,080 x g; 5 x g/set
Maximum Capacity (rotor)	48 x 1.5/2.0 mL
Cooling	Air Cooled
Running Time	1 to 99 min 59 sec or Continuous
Noise Level (depending on the rotor)	≤ 65 dB(A)
Number of Compatible Rotors	5
Acc/Dec Levels	10
AC Power	230 V/50 – 60 Hz
Voltage Fluctuation	± 10%
Current Consumption	3.1 A
Power Consumption	400 W
Dimensions (W x D x H)	380 x 280 x 245 mm
Net Weight (without rotor)	21.0 kg
Shipping Dimensions (W x D x H)	470 x 360 x 355 mm
Shipping Weight (without rotor)	24.0 kg
Environment	For indoor use only

Accessories

	Order No.	30694903
	Description	Rotor, Angle 12 x 1.5/2 mL Sealable FC2000
	Max. Speed	16,500 rpm
	Max. RCF	19,080 x g

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
Without Adapter	Rotor, Angle, 12 x 1.5/2.0 mL	1.5/2.0 mL	10 mm	Microtube/Round Bottom/Conical Bottom	12

	Order No.	30694904
	Description	Rotor, Angle 10 x 5 mL Sealable FC2000
	Max. Speed	16,000 rpm
	Max. RCF	17,882 x g

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
Without Adapter	Rotor, Angle, 10 x 5 mL	5 mL	13 mm	Round Bottom/Conical Bottom	10

	Order No.	30694908
	Description	Rotor, Angle, 24 x 1.5/2 mL Sealable FC2000
	Max. Speed	14,000 rpm
	Max. RCF	17,956 x g

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
Without Adapter	Rotor, Angle, 24 x 1.5/2.0 mL	1.5/2.0 mL	10 mm	Microtube/Round Bottom/Conical Bottom	24

	Order No.	30694909
	Description	Rotor, Angle, 6 x 10 mL Sealable FC2000
	Max. Speed	13,000 rpm
	Max. RCF	14,196 x g

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
Without Adapter	Rotor, Angle, 6 x 10 mL	10 mL	16 mm	Round Bottom/Conical Bottom	6

	Order No.	30694844
	Description	Rotor, Angle, 48 x 1.5/2 mL Sealable FC2000
	Max. Speed	12,000 rpm
	Max. RCF	14,079 x g

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
Without Adapter	Rotor, Angle, 48 x 1.5/2.0 mL	1.5/2.0 mL	10 mm	Microtube/Round Bottom/Conical Bottom	48

Compliance

- **Product Safety:** IEC/EN 61010-1, IEC/EN 61010-2-020
- **Electromagnetic Compatibility:** IEC/EN 61326-1 FCC Part 15 Class B, Basic environments
- **Compliance Marks:** CE

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OHAUS Asia/Pacific Headquarters

7F, Block 33, 680 Guiping Road
Shanghai 200233
China

e-mail: APmarketing@ohaus.com
Tel: +86 21 64855408

www.ohaus.com

The management system governing the manufacture of this product is ISO 9001:2015 certified.

