

Microfuge Series

The latest evolution in microcentrifuges.



Brilliance
at every turn.

 **BECKMAN
COULTER**
Life Sciences

Microcentrifuges at their most powerful.

Higher speed. Higher capacity. Higher standards.

At Beckman Coulter, we continually drive faster and better performance in our centrifugation portfolio. These benchtop dynamos are precisely designed to meet your application needs: nucleic acid and protein preparation; pelleting, extractions, purifications, concentrations, phase separations and receptor binding; and rapid sedimentation of protein precipitates, particulates and cell debris. Paired with Beckman Coulter Microfuge Series rotors, these instruments allow you to achieve the flexibility and outcomes you need for your lab.

Microfuge 20 and 20R

Increased speed and capacity. At an affordable cost.

Fast, cool and versatile, our top-of-the-line, high-performance microcentrifuges are the Microfuge 20 Series.

- Quickly process samples at maximum speeds of up to 15,000 rpm (20,627 × g)
- Spin more samples per run with a maximum capacity of 36 × 1.5/2.0 mL tubes
- Save setup time with an easy-to-use interface and user-defined programs for common protocols
- Safely process hazardous samples with an optional BioCertified* rotor
- Lower utility costs with increased energy efficiency



Microfuge 16





Entry-level instrument for maximum productivity.

Powerful, compact and cold-room compatible. The Microfuge 16 reduces process time and adds flexibility to protocols.

- Process samples at speeds up to 14,800 rpm (16,163 × g)
- Shorten run times with fast acceleration and deceleration
- Choose between the 12- or 24-place 1.5/2.0 mL tube rotor to best match your capacity needs
- Peace of mind with a maintenance-free motor and safety auto-lock closure system



MICROFUGE 20 & 20R ROTORS

Rotor	Product No.	Description	Max. Speed (rpm)	Max. RCF (x g)
	FA241.5P	24 x 1.5/2.0 mL fixed-angle polypropylene rotor with snap-on lid	15,000	20,627
	FA241.5	24 x 1.5/2.0 mL fixed-angle aluminum rotor with snap-on lid	15,000	20,627
	FA361.5	36 x 1.5/2.0 mL fixed-angle aluminum rotor with aerosol-tight lid	15,000	20,124
	FA4x8.2P	4 x 8 (0.2 mL) PCR tube strip fixed-angle polypropylene rotor with snap-on lid	15,000	16,602

MICROFUGE SERIES SPECIFICATIONS

MICROFUGE FAMILY			
	Microfuge 16	Microfuge 20	Microfuge 20R
Maximum Speed	14,800 rpm (in 100 rpm increments)	15,000 rpm (in 100 rpm increments)	15,000 rpm (in 100 rpm increments)
Maximum RCF	16,163 x g	20,627 x g	20,627 x g
Maximum Capacity	24 x 1.5/2.0 mL	36 x 1.5/2.0 mL	36 x 1.5/2.0 mL
Run Time	99 min, 59 sec, continuous run, short run	99 min, 59 sec, continuous run, short run	99 min, 59 sec, continuous run, short run
User-Defined Programs	None	10	10
Noise Level at Max. Speed	< 60 dBa	< 59 dBa	< 58 dBa
Accel/Decel Profiles	—	Fast, soft	Fast, soft
Temperature Range	—	—	-10° to +40°C (in 1°C increments)
Temperature Control	—	—	±2.5°C
Ambient Temperature Range	4° to 40°C	5° to 40°C	5° to 35°C
Maximum Heat Dissipation into Room	324 Btu/h (90 W)	580 Btu/h (170 W)	1433 Btu/h (420 W)
Dimensions (in)	8.9W x 10.5D x 6.9H	12.2W x 16.5D x 10.7H	12.2W x 26.0D x 11.5H
Dimensions (cm)	22.6W x 26.6D x 17.6H	31.0W x 42.0D x 27.0H	31.0W x 66.0D x 29.1H
Weight	6.4 kg (14 lb)	13 kg (28.6 lb)	32 kg (70.5 lb)
Electrical Requirements	100-120 VAC, 50/60 Hz 220-240 VAC, 50/60 Hz	100 VAC, 50/60 Hz 120 VAC, 60 Hz 220-240 VAC, 50/60 Hz	100 VAC, 50/60 Hz 120 VAC, 60 Hz 220-240 VAC, 50/60 Hz

ORDERING INFORMATION

Description	100 V, 50/60 Hz	100-120 V, 50/60 Hz	120 V, 60 Hz	220-240 V, 50/60 Hz
Microfuge 16 with FX241.5P rotor	—	A46472	—	A46471
Microfuge 16	—	A46474	—	A46473
Microfuge 20 with FA241.5P, IVD	B30135	—	B30137	B30141
Microfuge 20 with FA241.5, IVD	—	—	B30138	B30578
BIOC Microfuge 20 with FA361.5, IVD	—	—	B30139	B30580
Microfuge 20R with FA241.5P, IVD	B30145	—	B30147	B30152
Microfuge 20R with FA241.5, IVD	—	—	B30148	B30582
BIOC Microfuge 20R with FA361.5, IVD	—	—	B30149	B30584
Microfuge 16 Rotors				
A46475	24 x 1.5/2.0 mL (FX241.5P) fixed-angle polypropylene rotor with snap-on lid			
A46476	12 x 1.5/2.0 mL (FX121.5P) fixed-angle polypropylene rotor with snap-on lid			
Microfuge 20 and 20R Rotors				
B30155	24 x 1.5/2.0 mL (FA241.5) fixed-angle aluminum rotor with snap-on lid			
B30156	24 x 1.5/2.0 mL (FA241.5P) fixed-angle polypropylene rotor with snap-on lid			
BIOC B30157	36 x 1.5/2.0 mL (FA361.5) fixed-angle aluminum rotor with aerosol-tight lid			
B30159	4 x 8 (0.2 mL) PCR tube strip (FA4x8.2P) fixed-angle polypropylene rotor with snap-on lid			
Adapters for Microfuge Rotors FX241.5P, FX121.5P, FA241.5, FA241.5P, and FA361.5				
361247	0.25/0.4 mL PCR microcentrifuge tube adapter (package of 24)			
364690	0.5/0.6/0.75 mL PCR microcentrifuge tube adapter (package of 12)			
392294	0.2 mL PCR microcentrifuge tube adapter (package of 12)			

BIOC BioCertified is a term used to describe our products which have been tested and validated to demonstrate containment of microbiological aerosols by an independent, third-party facility (Health Protection Agency, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

Microfuge Series

The latest in a long line of inspired innovations.

Throughout our history, we've helped create the world's most productive and efficient laboratories by providing the finest and most advanced centrifuges available. Our Microfuge Series offers the performance and reliability you demand—and have come to expect—from Beckman Coulter.



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For Beckman Coulter's worldwide office locations and phone numbers, please visit "Contact Us" at www.beckmancoulter.com

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