



MICROFUGE SERIES

THE LATEST EVOLUTION IN
MICROCENTRIFUGES



BRILLIANCE
at every turn.



MICROCENTRIFUGES AT THEIR MOST POWERFUL

Higher speed. Higher capacity. Higher standards.

At Beckman Coulter Life Sciences, 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 x *g*)
- Spin more samples per run with a maximum capacity of 36 x 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

Microfuge 16





Entry-level instrument for maximum productivity.



Powerful, compact and cold-room compatible.

- Process samples at speeds up to 14,800 rpm (16,163 x *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
 BIOC	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
Set Temperature Range	—	—	-10° to +40°C (in 1°C increments)
Temperature Control (After Equilibration)	—	—	±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

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.

ORDERING INFORMATION

Description	100 V 50/60 Hz		100 - 120 V, 50/60 Hz		120 V, 60 Hz		220 - 240 V, 50/60 Hz		220 - 240 V, 50/60 Hz with CCC Plug	
	General Use ¹	IVD ²	General Use ¹	IVD ²	General Use ¹	IVD ²	General Use ¹	IVD	General Use ¹	IVD ²
Microfuge 16	A46474	--	A46474	--	--	--	A46473	--	--	--
Microfuge 16 with FX241.5P rotor	A46472	--	A46472	--	--	--	A46471	--	A58837	--
Microfuge 20	B31601	B31605	--	--	B31600	B31604	B31599	B31603	B31602	B31606
Microfuge 20 with FA241.5P rotor	B30134	B30135	--	--	B30136	B30137	B30140	B30141	B30142	B30143
Microfuge 20 with FA241.5 rotor	--	B30138	--	--	--	B30138	--	--	--	--
BIOC Microfuge 20 with FA361.5 rotor	--	B30139	--	--	--	B30139	B30579	B30580	--	--
Microfuge 20R	B31609	B31613	--	--	B31608	B31612	B31607	B31611	B31610	B31614
Microfuge 20R with FA241.5P rotor	B30144	B30145	--	--	B30146	B30147	B30150	B30152	B30153	B30154
Microfuge 20R with FA241.5 rotor	--	--	--	--	--	B30148	B30577	B30578	--	--
BIOC Microfuge 20R with FA361.5 rotor	--	--	--	--	--	B30149	--	--	--	--

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¹ General Use. Not intended or validated for use in the diagnosis of disease or other conditions.

² In Vitro Diagnostics Use.

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 Coulter Life Sciences.



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