



**BECKMAN
COULTER®**

Powerful, productive
and easy to use

The Microfuge® Family
from the centrifugation leader

Genomics
Proteomics
Cell Analysis
Centrifugation
Lab Tools
Particle Characterization
Bioseparation
Lab Automation





The Microfuge® Family of Centrifuges by Beckman Coulter

When you need a powerful, compact, easy-to-use centrifuge, choose from our portfolio of micro centrifuges. All feature a maintenance-free, brushless induction drive, and high *g*-forces to quickly separate DNA, RNA, proteins or virus cells. Plus, all Beckman Coulter centrifuges are backed by our legendary service and support.

Microfuge 16

Powerful. Productive. Compact.

- Spins quietly at 16,163 x *g* for fast pelleting or isolation of DNA, RNA, proteins and viruses
- Cold room compatible with a compact footprint of just 22.6 x 26.6 cm (8.9 x 10.5 in) for space-saving efficiency
- Safety auto lock closure system and autoclavable 24-place rotor rated at 14,800 RPM for increased productivity
- Large, bright push button display & automatic lid release for simple operation
- Fast acceleration/deceleration with optional pulse, timed or continuous runs



Microfuge 18

Time-tested reliability.

- A laboratory favorite for over 10 years
- Maintenance-free motor spins up to 14,000 RPM (18,000 x *g*)
- Comes complete with a 24-place, autoclavable fixed-angle rotor (F241.5P) with snap-on lid
- Simple operation with dual-knob control
- Soft start/soft stop

Microfuge 22R

Fast. Cool. Versatile.

- Maintenance-free motor spins up to 14,000 RPM (21,920 x *g*)
- Maintains 4°C at maximum speed
- Six available rotors provide versatility for your choice of applications
- Stand-by cooling for sample integrity and increased productivity – no more waiting for the centrifuge to cool down
- All rotors are autoclavable at 121°C



Rotors for Microfuge 16

24 x 1.5/2.2 mL Fixed-Angle Polypropylene Rotor (FX241.5P)

A46475

- 14,800 RPM (16,163 x g)
- Snap-on lid standard



12 x 1.5/2.2 mL Fixed-Angle Polypropylene Rotor (FX121.5P)

A46476

- 14,800 RPM (15,183 x g)
- Snap-on lid standard



Rotors for Microfuge 18 and 22R

24 x 1.5/2.2 mL Fixed-Angle Polypropylene Rotor (F241.5P)

367187

- 14,000 RPM (17,970 x g)
- Snap-on lid standard
- Optional screw down lid available (367207)



Rotors for Microfuge 22R



30 x 1.5/2.2 mL Fixed-Angle Aluminum Rotor (F301.5)*

368894

- 14,000 RPM (21,920 x g)
- Ideal for pelleting nucleic acids, proteins and viruses
- Biosafe lid standard; snap-on lid optional



40 x 250 µL Fixed-Angle Aluminum Rotor (F40.25)*

368898

- 14,000 RPM (17,500 x g)
- Great for spinning 0.25/0.40 mL PCR tubes
- Biosafe lid standard



24 x 1.5/2.2 mL Fixed-Angle Aluminum Rotor (F241.5)*

365630

- 15,300 RPM (20,940 x g)
- Biosafe lid standard; snap-on lid optional (369549)



12 x 8 (200 µL) PCR Tube Strip Aluminum Rotor (F12x8.2)

369534

High Capacity/High-Power

- 14,000 RPM (20,800 x g)
- Acceleration time 38 sec
- Deceleration time 35 sec



24 x 1.5/2.2 mL Swinging-Bucket Aluminum Rotor (S241.5)

368882

- 14,000 RPM (16,220 x g)
- Provides flat pelletization for DNA precipitations and immunoprecipitations



Ordering Information

	Catalog No.	Description
Microfuge 16 w/FX241.5P rotor	A46472	100-120 V, 50/60 Hz
Microfuge 16	A46474	100-120 V, 50/60 Hz
Microfuge 16 w/FX241.5P rotor	A46471	220-240 V, 50/60 Hz
Microfuge 16	A46473	220-240 V, 50/60 Hz
Microfuge 18 w/F241.5P rotor	367160	100-120 V, 50/60 Hz
Microfuge 18 w/F241.5P rotor	367161	230 V, 50 Hz
Microfuge 22R w/F241.5P rotor	368830	120 V, 60 Hz
Microfuge 22R w/F241.5P rotor	368831	230 V, 50 Hz
Microfuge 22R w/F241.5P rotor	368832	100 V, 50/60 Hz
Microfuge 22R	368826	120 V, 60 Hz
Microfuge 22R	368827	230 V, 50 Hz
Microfuge 22R	368828	100 V, 50/60 Hz
Microfuge 22R w/F301.5 rotor	A47877	120 V, 60 Hz
Microfuge 22R w/F301.5 rotor	A52953	230 V, 50 Hz
Microfuge 22R w/F301.5 rotor	A52954	100 V, 50/60 Hz

Microfuge Adapters

For use in rotors FX241.5P, FX121.5P, F241.5P, F301.5, F241.5 and S241.5.

Description	Catalog No.
0.25/0.4 mL PCR-Microcentrifuge Tube Adapter (Package of 24)	361247
0.5/0.6/0.75 mL PCR-Microcentrifuge Tube Adapter (Package of 12)	364690
0.2 mL PCR-Microcentrifuge Tube Adapter (Package of 12)	392294

Specifications

	Microfuge 16	Microfuge 18	Microfuge 22R
Maximum Speed	14,800 RPM (increments of 100 RPM)	14,000 RPM (increments of 500 RPM)	14,000 RPM (increments of 500 RPM)
Maximum g-force	16,163 x g (increments of 100 x g)	18,000 x g	21,920 x g
Maximum Capacity	24 x 1.5/2.2 mL (52.8 mL)	24 x 1.5/2.2 mL (52.8 mL)	30 x 1.5/2.2 mL (66 mL)
Runtime	99 min, 59 sec (increments of 10 sec) Continuous or pulse (short run)	0-30 min, continuous or pulse (short run)	0-30 min, continuous or pulse (short run)
Drive	Maintenance-free brushless induction drive	Maintenance-free brushless induction drive	Maintenance-free brushless induction drive
Noise Level at Max Speed	<60 dB	≤ 58 dBA	≤ 58 dBA
Accel/Decel Time to Max Speed	≤ 15 sec accel/13 sec decel (fully loaded)	≤ 18 sec accel/19 sec decel (fully loaded)	≤ 18 sec accel/19 sec decel (fully loaded)
Refrigeration	N/A	N/A	Yes; CFC-free refrigerant
Operating Temperature	+4°C to +40°C, < 80% humidity (non-condensing)	+4°C to +35°C, < 80% humidity (non-condensing)	-10°C to +40°C < 80% humidity (non-condensing)
Temperature Range	N/A	N/A	4°C to ambient
Dimensions (W x D x H)	22.6 cm x 26.6 cm x 17.6 cm (8.9 in x 10.5 in x 6.9 in)	24 cm x 32 cm x 24.5 cm (9.5 in x 12.6 in x 9.7 in)	36.5 cm x 58.5 cm x 30 cm (14.4 in x 23 in x 11.8 in)
Weight	6.4 kg (14 lbs)	13 kg (28.7 lbs)	41 kg (90.4 lbs)



For ordering information, please visit us at:

www.beckmancoulter.com/eStore

Biosafe is a term intended to describe the enhanced Biosafety features of our products.

* Validation of microbiological containment was done at an independent, third-party testing facility, Health Protection Agency, Porton Down. Improper use or maintenance may affect seal integrity and, thus, containment.

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