

Benchmark 

# MC-24™

MICROCENTRIFUGE SERIES



**High Speed**



**Touch Control**



**Quiet Operation**



**Powerful Refrigeration**



**MC-24™ Touch**  
HIGH SPEED MICROCENTRIFUGE



C2417

- + Full Color Touch Screen
- + mySpin™ 1 button program recall
- + COMBI-Rotor™ accepts tubes and strips
- + Unique air-flow system, keeps samples cool

**MC-24R™**  
REFRIGERATED MICROCENTRIFUGE

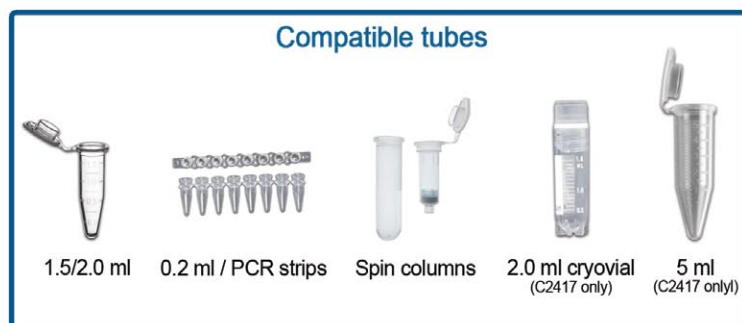


C2417-R

- + Touch operation
- + Powerful refrigeration, as low as -20°C
- + COMBI-Rotor™ accepts tubes and strips
- + Status indicator light



Included **Combi-Rotor™**  
Accepts tubes and strips  
(includes snap on lid)



The MC-24 Series consists of Benchmark's flagship, high speed microcentrifuges. With two models available (air-cooled or compressor-refrigerated) these 24-position microcentrifuges offer the unmatched flexibility with a unique (patent pending) COMBI-Rotor™ that accepts both microtubes (1.5-2.0ml) as well as PCR strips (8 x 0.2ml).

Both models feature next generation, touch-control panels with modern programming, providing control over accel/decel levels, program memory and rcf conversion with radius offset (for accurate rcf values, even when using one of the optional rotors).

The MC-24 Touch features a proprietary air-cooling design that mildly cools the rotor during centrifugation and prevents large increase in temperature during extended runs at high speeds. For sub-ambient temperatures, the MC-24 Refrigerated includes a powerful, compressor based refrigeration system, capable of cooling to -20C.

The MC-24 series high speed microcentrifuges are compact, convenient, and easy to operate which makes them perfectly suited to be the workhorse for any lab.

- Touch Control** Modern touch interface for ease of use (even when wearing gloves)
- Quiet Operation** Both the ambient and refrigerated MC-24 Series centrifuges offer whisper quiet operation at full speed
- High Speed** Powerful motor drive provides speeds up to 13,500 rpm (16,800xg)
- Powerful Refrigeration** Powerful refrigeration, cools to 4°C in ~10 minutes

**Technical Data:**

| Model:                  | MC-24  | MC-24R  |
|-------------------------|--|---|
| Item Number:            | C2417  | C2417-R   |
| Max rpm/rcf             | 13,500 rpm / 16,800 xg   | 13,500 rpm / 16,800 xg  |
| Capacity:               | 24 x 1.5/2.0ml<br>2 x PCR Strips (16 x 0.2ml)<br>8 x 5ml<br>8 x 2 ml cryo tube | 24 x 1.5/2.0ml + 2 x PCR Strips (w/ COMBI-Rotor)<br>4 x PCR Strips (32 x 0.2ml) |
| Timer:                  | 30 sec. to 99 min. / cont  | 30 sec. to 99 hr. 59 min. / cont  |
| Momentary function:     | Yes  | Yes   |
| Temperature:            | Ambient  | -20° to +40°C   |
| Dimensions (W x D x H): | 9 x 12 x 7.75 in. / 23 x 30.5 x 19.7 cm  | 11 x 21.6 x 11.4 in. / 28 x 55 x 29 cm  |
| Weight:                 | 14 lbs / 6.4 kg  | 73 lbs / 33 kg  |
| Electrical:             | 115V, 60Hz or 230V, 50Hz   |   |
| Power Draw              | 250W   | 320W  |

**Ordering Information:**

|             |  |
|-------------|--|
| C2417*      | MC-24 Touch Microcentrifuge with COMBI-rotor and snap on lid         |
| C2417-R*    | MC-24R Refrigerated Microcentrifuge with COMBI-rotor and snap on lid |
| C2417-R-NR* | MC-24R Refrigerated Microcentrifuge, without rotor                   |

**Optional Accessories**

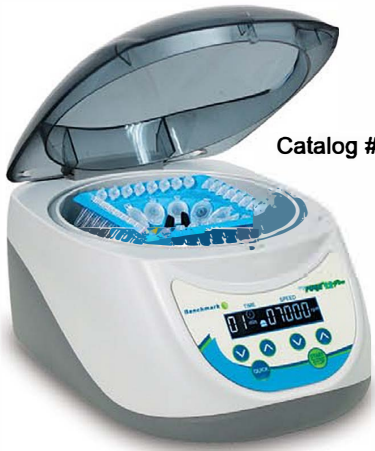
| C2417 only    |  |
|---------------|--|
| C2417-R5      | 8 x 5ml rotor (13,500 rpm / 16,800 xg)                                 |
| C2417-R5-ADP2 | 2ml cryovial adapters for 5 ml rotor, 8/pk                             |
| C2417-R only  |  |
| C2417-RCMB    | COMBI-rotor 24 x 1.5/2.0ml and 2 x PCR strips (13,500 rpm / 16,800 xg) |
| C2417-2420H   | 24 x 1.5/2.0ml hermetically sealed rotor (13,500 rpm / 16,058 xg)      |
| C2417-3202    | 4 x PCR strip rotor (13,500 rpm / 13,602 xg)                           |

\*115V with US plug. To order in 230V, add (-E) to the item number



ALSO AVAILABLE FROM **Benchmark** 

## myFUGE™ 12 Plus



Catalog # C2212

- COMBI-Rotor™ for tubes and strips
- Digital control up to 7,000 rpm / 2,739 xg!
- Twice the capacity of traditional mini centrifuges
- Near silent operation
- Timer up to 99 mins.



Digital display and control



Unique COMBI-Rotor

## myFUGE™ 5D



Catalog # C2205

- Includes rotor for centrifuge tubes up to 5ml
- Digital control up to 5,500 rpm / 1,690 xg
- Conserves valuable bench space
- Includes adapters for blood tubes (12 x 75 mm)



Accepts 5ml snap/screw cap tubes and 5ml blood tubes (12 x 75mm)



Includes rotor and accessories for all common blood and centrifuge tubes up to 5ml

## STRIPSPIN™ 12D



Catalog # C2248

- Unique rotor accepts 12-position PCR strips
- Digital control up to 5,500 rpm
- “Mini” sized, less than 8 inches wide
- Timer up to 99 mins.



Holds up to 4 x 12 position PCR strips or 48 x 0.2ml tubes