



PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

C1612 (MicroFuge MC12) Brochure

2 models inside · Life Science · Centrifuges



QUICK VIEW — SERIES AT A GLANCE

2 models in this document from Benchmark Scientific. Full specifications inside.

MODELS IN THIS DOCUMENT

C1612-E · C1612

SHIP WEIGHT

13 lb

VOLTAGE

115 V or 230 V, 50–60 Hz (discrete variants)

SOURCING

Authorized U.S. distributor

Distributed by Legacy Lab Supplies

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MC-12™

High Speed Microcentrifuge



- + Less than 9 inches wide
- + Large LCD display with rcf conversion
- + Whisper quiet operation
- + Stops and opens in just 10 seconds
- + 12 tube capacity (1.5ml) / 16,100 xg



High Speed Range



Large LED Controls

Benchmark's MC-12 is the first and only compact microcentrifuge capable of achieving centrifugal speeds up to the critical threshold of 16,000 xg, often held as the standard for many molecular biology/DNA protocols. Its brushless, maintenance free drive system makes it powerful, yet compact enough to allow each work station to be fully equipped with a personal centrifuge.

The MC-12 defines a new class of microcentrifuge: compact, quick, powerful and affordable. All aspects of microcentrifuge performance were taken into consideration and no compromises were made. In addition to its unsurpassed speed, the MC-12 also delivers shortened acceleration/deceleration times, whisper quiet operation and its computer-designed airflow pattern minimizes sample temperature increases during longer runs at high speeds.

All operating parameters are set using a single, conveniently located control knob and the large, bright LCD provides a clear indication of time and rpm or g-force. A separate momentary spin button permits instant spin downs, without setting or disturbing any preset parameters. The aircraft grade aluminum rotor accepts 1.5 to 2.0ml tubes directly, as well as 0.5 and 0.2ml tubes with optional adapters. For applications requiring sub-ambient temperatures, the MC-12 is cold room safe.

Technical Data:

Speed:	15,500rpm / 16,100 xg
Capacity:	12 x 1.5/2.0ml
Deceleration:	10 seconds
Acceleration:	12 seconds
Increment:	100 rpm / 100 rcf
Timer:	20 sec. to 99 min. / cont.
Momentary:	Yes
Dimensions:	10.6 x 8.7 x 5.9 in. 27 x 22 x 15 cm
Weight:	10.5 lbs / 4.8 kg
Electrical:	115 to 230V, 50-60Hz, 100W

Ordering Information:

C1612*	MC-12 High Speed Microcentrifuge with 12 x 1.5/2.0ml rotor, 115V
C1008-A5-6	Adapters, 0.5ml, pack of 6
C1008-A2-6	Adapters, 0.2ml, pack of 6

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

Benchmark
Scientific

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