

VETERINARY LABORATORY | SAMPLE PREPARATION

BD16W Benchtop Centrifuge

High-speed | Ventilated | Micro-hematocrit capable



16,500

rpm max speed

19,480

x g max RCF

24

capillary tubes

< 55

dB(A) noise

The BD16W is a compact, high-speed benchtop centrifuge built for the in-clinic veterinary laboratory. A single instrument covers the two jobs a busy practice runs every day: packed cell volume by micro-hematocrit, and rapid plasma or serum separation to feed a chemistry or electrolyte analyser. Swapping between them takes seconds — rotors are hand-exchangeable with no tools.

Frequency-conversion motor drive delivers smooth, quiet acceleration, while a three-stage damping system keeps the instrument stable on the bench at full speed. Nine storable programs mean your routine spins are one button away, and the backlit LCD reports speed, RCF, time, rotor, program and acceleration profile at a glance.

Why practices choose it

- Micro-hematocrit rotor takes 24 capillary tubes at 12,000 rpm — full PCV runs in minutes.
- Angle rotors for 12 x 1.5/2.2 mL or 10 x 5 mL tubes, with 0.5 mL and 0.2 mL adapters.
- Nine user-defined programs stored and recalled; ten acceleration and braking curves.
- Quiet operation under 55 dB(A) — suited to a consult-adjacent bench, not a back room.
- Electronic safety door lock, over-speed and over-temperature protection, gas-hinged lid.
- Emergency manual lid release for sample recovery during a power interruption.

Technical specifications

Speed range	0 – 16,500 rpm, adjustable	Stored programs	9 user-defined
RCF range	0 – 19,480 x g, adjustable	Noise level	≤ 55 dB(A)
Speed accuracy	± 10 rpm	Display	Backlit LCD
Maximum capacity	10 x 5 mL	Dimensions (W x D x H)	340 x 260 x 220 mm
Timer range	1 min – 99 min 59 s	Net weight	15 kg (without rotor)
Acceleration / braking	10 selectable rates	Power supply	220 V AC, 50 Hz, 10 A, 200 W

Rotor options

Rotors are hand-exchangeable. Specify required rotors at time of order.

Rotor	Capacity	Max speed	Max RCF	Tube type
No.1 Angle rotor	12 x 1.5 / 2.2 mL	16,500 rpm	19,175 x g	PP / PC tube
No.1 + adapter	12 x 0.5 mL	16,500 rpm	19,175 x g	PP / PC tube
No.1 + adapter	12 x 0.2 mL	16,500 rpm	19,175 x g	PP / PC tube
No.2 Angle rotor	10 x 5 mL	16,500 rpm	19,480 x g	PP / PC tube
No.2 + adapter	10 x 1.5 mL	16,500 rpm	19,480 x g	PP / PC tube
No.3 Capillary rotor	24 capillary tubes	12,000 rpm	13,684 x g	Capillary tube

The No.3 capillary rotor is the micro-hematocrit rotor — this is the one you want for PCV.

In the veterinary practice

- Packed cell volume (PCV) / hematocrit determination from capillary tubes
- Plasma and serum separation ahead of in-house chemistry and electrolyte analysis
- Urine sediment preparation for microscopic examination
- Sample concentration for cytology and parasitology
- General small-volume separation across the practice laboratory

Ordering

BD16W Benchtop High-Speed Veterinary Centrifuge

Contact CenQuip for current pricing, rotor configuration and freight to your practice.

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