

Centrifuges and combined vortex mixers/ centrifuges

A range of compact, modern benchtop centrifuges for a variety of biomedical, biochemical and life-science applications requiring centrifuging or a combination of centrifuging and vortex mixing or shaking for microtubes and microplates.

General purpose benchtop centrifuge

Combined centrifuges/vortex mixers

High speed microcentrifuge

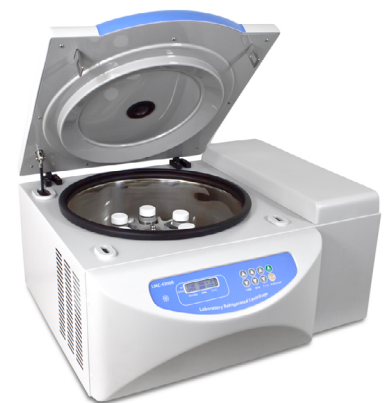
All-in-one PCR plate centrifuge/vortex



PCV-2400



LMC-3000



LMC-4200R



PCV-6000



CVP-2



Microspin 12

LMC-4200R

Benchtop centrifuge with refrigeration

Refrigerated benchtop centrifuge with a temperature setting range of -10°C to $+25^{\circ}\text{C}$ and interchangeable rotors for accommodating 10 to 15 ml, or 50 ml centrifuge tubes, 2-9ml vacutainers® or microplates.

Sturdy metal housing and lid, automatic imbalance** switch-off and lid lock when centrifuge is running, providing safe operation in your workplace.

Effective acceleration (run-up up to 15 sec) and deceleration (rundown up to 30 sec).

Efficient chamber refrigeration rate in under 10 minutes.

Easy set-up of speed and time via 2-line LCD display and simple push buttons showing actual and set speed and time.



Product highlights

- Spin speed: up to 4200 rpm for tubes, up to 2000 rpm for microtitre plates
- Temperature setting range -10°C to 25°C
- Timed operation (1 to 90 minutes), with automatic switch-off
- 'Soft-start' and 'run-down' functions
- Choice of interchangeable rotors for up to 12 centrifuge tubes or 2 microplates
- Auto 'IMBALANCE' stop and warning diagnostics
- Low noise level



Convenient interchangeable rotors for 6 or 12 tubes or 2 microplates (standard and deep well). Specify when ordering, sold separately.

The powerful and quiet motor (not more than 65dBA) has a 'soft' start-up and run-down function to avoid jolting of samples.

Compact design with small footprint – fits neatly into the workspace.

Applications

- Life-science – universal applications for all centrifugation requiring a controlled temperature of biomaterial. Temperature control of the 'cold-shelf' is the standard needed for enzymologists and cell biologists ensuring the conditions necessary for reproducibility of the sample preparation stage

Low speed benchtop centrifuges

Technical specifications



| | | LMC-3000 | LMC-4200R |
|---|-----------------|---|----------------------------------|
| | | Benchtop centrifuge | Refrigerated benchtop centrifuge |
| Dimensions | h x d x w mm | 235 x 420 x 495 | 335 x 580 x 635 |
| Temperature range | °C | +4 to 40* (suitable for use in cold rooms) | -10 to 25 |
| Max RCF (bottom of tube) | g-force | 1700 | 3370 |
| Speed regulation range for centrifuge tubes | rpm | 100 to 3000 | 100 to 4200 |
| | g | 1610 | 3160 |
| Speed regulation range for microtitre plates | rpm | 100 to 2000 | |
| | g | 560 | |
| Digital time setting | | 1 - 90 minutes (1 minute increment) | |
| Speed increment | rpm | 100 | |
| Display | | 2 line x 16 character LCD | |
| Maximum noise | dBA | 59.4 | 63.7 |
| Power consumption | 230V W | 120 (1A) | 990 (4.3A) |
| | 120V W | 110 (0.5A) | |
| Nominal operating voltage | V | 120 or 230 (50-60Hz) | 230 (50-60Hz) |
| Weight | kg | 11.8 | 56 |

* In a non-condensing atmosphere and maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C.+



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

