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LMC-4200R, Laboratory Refrigerated Centrifuge

Premium Product Class

DESCRIPTION



Laboratory bench-top centrifuge with refrigeration**LMC-4200R** provides temperature control of biomaterial during centrifugation. Temperature control of the so-called “cold-shelf” is a gold standard for enzymologists and cell biologists because it ensures conditions necessary for reproducibility of the sample preparation stage. Temperature control absence at this stage can cause unpredictable results.

LMC-4200R is a modern centrifuge designed for operation with microtest plates, gel cards and tubes from 10 to 50 ml.

Features:

- Soft start and run-down of the rotor;
- Efficient rate of chamber refrigeration: under 10 min;
- Maintenance of stable temperature during operation;
- User-friendly setting of centrifugation parameters (speed, temperature, time) and simultaneous display of both set and actual values;
- Safe operation is provided by a metal protection chamber and a case cover, automatic stop at imbalance (emergency shutdown, "IMBALANCE" displayed) and a lock keeping the lid closed while the centrifuge is running.
- Rotor selection;
- Setting rotor speed in RPM or RCF;
- Multiple acceleration (Slow, Normal, Fast) and deceleration (0, Slow, Normal, Fast) modes and possibility to switch off forced braking;
- Low noise level;
- Wide choice of accessory rotors.

CAT. NUMBER

Without rotor	Without rotor
BS-010212-AAA	230VAC 50/60Hz Euro plug
BS-010212-AAB	230VAC 50/60Hz UK plug
BS-010212-AA3	230VAC 50/60Hz AU plug
BS-010212-EK	IQ OQ document
BS-010212-FK	PQ document

SPECIFICATIONS

Temperature control range	–10°C ... +25°C
Stable temperature maintenance range	25°C below ambient ... to +25°C
Temperature setting resolution	1°C
Speed regulation range for centrifuge tubes	100–4200 rpm (3160 × g)
Speed regulation range for microtitre plates	100–2000 rpm (560 × g)
Speed setting resolution	100 rpm
Digital time setting	1–90 min (increment 1 min)
Timer sound signal	+
Rotor imbalance diagnostics (automatic stop, “IMBALANCE” warning)	+
Slowdown time, not more	30 s
Display	LCD, 2 lines
Chamber diameter	360 mm
Overall dimensions (W×D×H)	635x580x335 mm
Weight	56 kg
Nominal operating voltage	230 V, 50 Hz
Power consumption (230 V)	990 W (4.3 A)

ACCESSORIES



R-6
BS-010208-DK
rotor

Swing-out rotor for conical bottom centrifuge tube. Aluminium buckets.



R-6P
BS-010208-XK
Rotor

Swing-out rotor for conical bottom centrifuge tube. Plastic buckets (POM Kocetal).



R-12/10
BS-010208-BK
Rotor

Swing-out rotor for round bottom centrifuge tube.



R-24/10
BS-010212-JK
Rotor

Swing-out rotor for round bottom centrifuge tube.



BN-13/75
BS-010208-PK
adapter set

For rotor R-12/10, R-24/10 optional adapter set (12 pcs) - BN-13/75 for vacutainers 2-5 ml



BN-13/100
BS-010208-QK
adapter set

For rotor R-12/10, R-24/10 optional adapter set (12 pcs) - BN-13/100 for vacutainers 4-8 ml



BN-16/100
BS-010208-RK
adapter set

For rotor R-12/10, R-24/10 optional adapter set (12 pcs) - BN-16/100 for vacutainers 8-10 ml



R-12/15
BS-010208-EK
Rotor

Swing-out rotor for conical bottom centrifuge tube.



R-2
BS-010208-AK
Rotor

Swing-out rotor for standard 96-well microtitre plates, skirted PCR plates, deepwell plates up to 45mm.



AP-96
BS-010219-DK
adapter

2 adapters for 96-well semi-skirted and non-skirted PCR plates - made of Ertacetal® C. Autoclavable



AP-384
BS-010219-EK
adapter

2 adapters for 384-well plates - made of Ertacetal® C. Autoclavable



R-24GC
BS-010208-VK
Rotor

Rotor for 24 Gel Cards for blood group serology testing (Forward Group, Reverse Group, RhD Type and 3 cell antibody screen)



RR-U
BS-010208-UK
rack for rotors

Rack for rotors



BN-11/30
BS-010208-ZK
bucket set for rotor R-6P

Spare bucket set for rotor R-6P. Plastic buckets (POM Kocetal) (6 pcs).



BN-16/90
BS-010208-SK
bucket set for rotor R-12/10 R-24/10

Spare bucket set for rotor R-12/10, R-24/10. Plastic buckets (12 pcs).



BN-17/120
BS-010208-TK
bucket set for rotor R-12/15

Spare bucket set for rotor R-12/15. Plastic buckets (12 pcs).