

## LMC-4200R, Laboratory Refrigerated Centrifuge



### 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:

- Effective way of acceleration and deceleration:
  - Run-up time 20 s;
  - Run-down time, not more 30 s;
- **Possibility to switch off forced braking;**\*
- 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.
- Low noise level;
- Wide choice of accessory rotors.

Additional information about centrifuge rotors

**\*NEW FUNCTION**



### SPECIFICATION

Temperature control range	-10°C ... +25°C
Stable temperature maintenance range	25°C below ambient ... +25°C
Temperature setting resolution	1°C
Speed regulation range for centrifuge tubes	100-4200 rpm (3155 × g)
Speed regulation range for microtitre plates	100-2000 rpm (560 × g)
Speed setting resolution	100 rpm
Rotor imbalance diagnostics (automatic stop, "IMBALANCE" warning)	+
Slowdown time, not more	30 s
Display	LCD, 2 lines
Digital time setting	1-90 min (increment 1 min)
Chamber diameter	335 mm
Dimensions	635x580x335 mm

### CAT. NR.

	LMC-4200R without rotors incl. power plug
BS-010212-AAA	230VAC 50/60Hz Euro plug
BS-010212-AAB	230VAC 50/60Hz UK plug
BS-010212-AA3	230VAC 50/60Hz AU plug
-----	<b>Optional accessories</b>
BS-010208-DK	Rotor R-6
BS-010208-XK	Rotor R-6P
BS-010208-EK	Rotor R-12/15
BS-010208-BK	Rotor R-12/10
BS-010208-AK	Rotor R-2
BS-010208-VK	Rotor R-24GC
BS-010208-UK	Rack for rotors RR-U

## LMC-4200R, Laboratory Refrigerated Centrifuge



Weight	56 kg
Nominal operating voltage	230 V, 50 Hz
Power consumption (230 V)	990 W (4.3 A)

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BS-010208-PK	For rotor R-12/10 optional adapter set (12 pcs) - BN-13/75 for vacutainers 2-5 ml
BS-010208-QK	For rotor R-12/10 optional adapter set (12 pcs) - BN-13/100 for vacutainers 4-8 ml
BS-010208-RK	For rotor R-12/10 optional adapter set (12 pcs) - BN-16/100 for vacutainers 8-9 ml
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BS-010219-DK	For rotor R-2 optional adapter set (2 pcs) - AP-96 for 96-well semi-skirted and non-skirted PCR plates
BS-010219-EK	For rotor R-2 optional adapter set (2 pcs) - AP-384 for 384-well plates
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BS-010212-EK	IQ OQ document
BS-010212-FK	PQ document
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	<b>Replacement parts</b>
BS-010208-ZK	For rotor R-6P adapter set (6 pcs) - BN-11/30
BS-010208-TK	For rotor R-12/15 adapter set (12 pcs) - BN-17/120
BS-010208-SK	For rotor R-12/10 adapter set (12 pcs) - BN-16/90

### ACCESSORIES



**R-6**  
Swing-out rotor for conical bottom centrifuge tube. RCF 3155 x g. Aluminium buckets.



**R-6P**  
Swing-out rotor for conical bottom centrifuge tube. RCF 3155 x g. Plastic buckets (POM Kocetal).

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### R-12/15

Swing-out rotor for conical bottom centrifuge tube. RCF 3155 x g



### R-24GC

Rotor for 24 Gel Cards for blood group serology testing (Forward Group, Reverse Group, RhD Type and 3 cell antibody screen) RCF 280 x g



### R-12/10

Swing-out rotor for round bottom centrifuge tube. RCF 3155 x g



### BN-13/75, BN-13/100, BN-16/100 for R-12/10

Adapter set (12 pcs) for vacutainers® 2-5; 4-8; 8-9 ml - made of POM-C (polyacetal). Max temperature +100°C.



### R-2

Swing-out rotor for standard 96-well microtitre plates. RCF 560 x g

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### **AP-96 for R-2**

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



### **RR-U**

Rack for rotors