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LMC-56, Laboratory Centrifuge

Premium Product Class

DESCRIPTION



LMC-56 is a modern benchtop, low-speed laboratory centrifuge designed for convenient sedimentation, centrifugation and collection of necessary samples. It provides operation with tubes, blood collection systems, gel cards, microtest and ELISA plates. Our centrifuges are designed for safe work (metal protecting housing), easy maintenance and wide application range in medical, biochemical, chemical, industrial and other type of laboratories.

Features:

- User-friendly centrifugation parameter input and simultaneous display of the set and actual parameter values.
- Safe assay performance: metal protective housing and metal lid, automatic imbal-ance switch-off, lid lock during the centrifuge operation provide safe operation at all speeds.
- Rotor imbalance automatic diagnostics (emergency stop, imbalance indication).
- Automatic rotor detection with active rotational speed limit.
- Relatively high speed – maximum 6,000 rpm or 3,750 g.
- Wide choice of accessory rotors and adapters.
- A wide selection of rotors – up to 13.
- Improved chamber to reduce sample heating during centrifugation.
- Different modes of acceleration and deceleration, including deceleration mode with switched off forced braking.
- Possibility to set the speed both in revolutions per minute and by relative centrifugal force.

SPECIFICATIONS

Speed regulation range for centrifuge tubes	100-6000 rpm (3750 × g)
Speed regulation range for microtitre plates	100-2000 rpm (560 × g)
Setting resolution	100 rpm
Digital time setting	1 - 90 min (increment 1 min)
Timer sound signal	+
Rotor imbalance diagnostics (automatic stop, “IMBALANCE” warning)	+
Rotor detection	+
Display	LCD, 2 x 16 signs
Chamber diameter	355 mm
Overall dimensions (W×D×H)	560 × 480 × 315 mm
Weight	16.5 kg
Nominal operating voltage	230 V, 50/60 Hz or 120 V, 50/60 Hz
Power consumption (230V / 120 V)	320 W / 330 W

CAT. NUMBER

Without rotor	Without rotor
BS-010221-A01	230VAC 50/60Hz Euro plug
BS-010221-A02	230VAC 50/60Hz UK plug
BS-010221-A03	230VAC 50/60Hz AU plug
BS-010221-XK	IQ OQ document
BS-010221-WK	PQ document

ACCESSORIES



BR-4U
BS-010221-AK
Rotor

Bucket rotor without bucket adapters



BA-2/50
BS-010221-CK
Adapters

Bucket adapters for 2 tubes of 50 ml (set of 4 pcs.)



BI-25-8
BS-010221-UK
adapter set

For bucket adapters BA-2/50 optional adapter set (8 pcs) - BI-25-8 for 25 ml conical tubes



BA-4/15
BS-010221-EK
Adapters

Bucket adapters for 4 tubes of 15 ml (set of 4 pcs.)



BA-4/10
BS-010221-DK
Adapters

Bucket adapters for 4 tubes of 10 ml (set of 4 pcs.)



BN-13/75-16
BS-010221-OK
adapter set

For bucket adapters BA-4/10 optional adapter set (16 pcs) - BN-13/75-16 for vacutainers 2-5 ml



BN-13/100-16
BS-010221-PK
adapter set

For bucket adapters BA-4/10 optional adapter set (16 pcs) - BN-13/100-16 for vacutainers 4-8 ml



BN-16/100-16
BS-010221-QK
adapter set

For bucket adapters BA-4/10 optional adapter set (16 pcs) - BN-16/100-16 for vacutainers 8-10 ml



BA-8/5
BS-010221-FK
Adapters

Bucket adapters for 8 tubes of 5 ml (set of 4 pcs.)



BA-14/2U
BS-010221-JK
Adapters

Bucket adapters for 14 microtest tubes of 2 ml (set of 4 pcs.)



Ri-6
BS-010221-HK
rotor

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



Ri-6P
BS-010221-IK
Rotor

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



BI-25-6
BS-010221-VK
adapter set

For rotors R-6, R-6P, Ri-6, Ri-6P optional insert set (6 pcs) - BI-25-6 for 25 ml conical tubes



RMT-24
BS-010221-BK
Rotor

Fixed-angle rotor for 24 - 1.5 or 2 ml microtubes



Ri-12/10
BS-010221-MK
Rotor

Swing-out rotor for round bottom centrifuge tube.



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

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



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

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



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

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



Ri-24/10
BS-010221-LK
Rotor

Swing-out rotor for round bottom centrifuge tube.



BN-13/75-24
BS-010221-RK
adapter set

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



BN-13/100-24
BS-010221-SK
adapter set

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



BN-16/100-24
BS-010221-TK
adapter set

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



Ri-12/15
BS-010221-KK
Rotor

Swing-out rotor for conical bottom centrifuge tube.



Ri-2
BS-010221-GK
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



Ri-24GC
BS-010221-NK
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