

Centrifuge LMC-56

Description

LMC-56 is a modern benchtop, low speed laboratory centrifuge. Especially suitable for convenient sedimentation, centrifugation and collection of necessary samples.

It provides operation with tubes, blood collection systems, gel cards, microtest and ELISA plates.

Ensures safe operation (metal protecting housing), easy maintenance and wide application range in medical, biochemical, chemical, industrial and other type of laboratories.

Specifications

- 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 imbalance 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 6000 rpm or 3750 x g (rcf).
- Wide choice of accessory rotors and adapters. (s. following pages)
- 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.



Centrifuge LMC-56



LMC-56 with rotor BR-4U, see page 3)

Centrifuge LMC-56



Technical Data

Speed regulation range for centrifuge tubes	100 – 6000 rpm (3750 x g)
Speed regulation range for microtitre plates	100 – 2000 rpm (560 x g)
Setting resolution	100 rpm
Digital time setting	1 – 90 min (increment 1 min)
Timer sound signal	Yes
Rotor imbalance diagnostics (automatic stop, "IMBALANCE" warning)	Yes
Rotor detection	Yes
Display	LCD, 2 x 16 signs
Chamber diameter	335 mm
Overall dimensions (W x D x H)	560 x 480 x 315 mm
Weight	16.5 kg
Nominal operating voltage	230 V, 50/60 Hz
Power consumption (230 V)	320 W
Order No. centrifuge LMC-56 without rotors Please order rotors separately	109.3085

Centrifuge LMC-56

Optional Accessories



Rotor BR-4U

Swing-out rotor
without adapters

Max. speed: 4200 rpm

Optional Accessories for Rotor BR-4U



Rotor base RR-U

Suitable for all rotors of
centrifuge LMC-56

Optional Adapters for Rotor BR-4U



Adapter BA-2/50

For 2 tubes à 50 ml
(set of 4 pcs.)

Material tube holders:
Aluminium

Rotor type:
Swing-out rotor
Dimensions (Ø x length):
29 x 115 mm

Capacity: 2 tubes
Tube volume: 50 ml
Max. speed: 4200 rpm

Max. RCF: 3260 x g
Suitable tube types:
Falcon, Greiner, Bio-one,
Sarstedt, Corning, Nunc...



Bucket BI-25-8

Suitable for adapter
BA-2/50 (set of 8 pcs.)
For 25 ml conical tubes.



Adapter BA-4/FT

For 4 x 15 ml conical tubes
(set of 4 pcs.)

Material tube holders:
POM Kocetal

Rotor type:
Swing-out rotor
Capacity: 4 tubes
Tube volume: 15 ml
Max. speed: 4200 rpm

Suitable tube types:
Falcon, Greiner, Bio-one,
Sarstedt, Corning, Nunc...



Adapter BA-4/VT

For 4 vacutainer adapters
2–9 ml (set of 4 pcs.)

Material tube holders:
POM Kocetal

Rotor type:
Swing-out rotor
Capacity: 4 tubes
Tube volume: 2–9 ml
Max. speed: 4200 rpm
Max. RCF: 2960 x g



Vacutainer Sets

Suitable for adapter
BA-4/VT

BN-13/75-16

Vacutainer for 2 – 5 ml
(set of 16 pcs.)

BN-13/100-16

Vacutainer for 4 – 8 ml
(Set mit 16 Stück)

BN-16/100-16

Vacutainer for 8 – 10 ml
(set of 16 pcs.)



Adapter BA-4/10

For 4 tubes à 10 ml
(set of 4 pcs.)

Material tube holders:
POM Kocetal

Rotor type:
Swing-out rotor
Capacity: 4 tubes
Tube volume: 10 – 15 ml
Max. speed: 4200 rpm
Suitable tube types:
Falcon, Greiner, Bio-one,
Sarstedt, Corning, Nunc...

Centrifuge LMC-56

Optional Accessories



Optional Adapters for Rotor BR-4U



Adapter BA-8/5

For 8 tubes à 5 ml
(set of 4 adapters)
Material tube holders:
POM Kocetal
Rotor type:
Swing-out rotor
Capacity: 8 tubes
Tube volume: 5 ml
Max. speed: 4200 rpm
Max. RCF: 2370 x g



Adapter BA-14/2U

For 14 tubes à 2 ml
(set of 4 adapters)
Material tube holders:
POM Kocetal
Rotor type:
Swing-out rotor
Capacity: 8 tubes
Tube volume: 2 ml
Max. speed: 4200 rpm
Suitable tube types:
Falcon, Greiner, Bio-one,
Sarstedt, Corning, Nunc... .

Additional Rotors for Centrifuge LMC-56



Rotor Ri-6

For tubes with conical bottom.
Material tube holders:
Aluminium
Rotor type:
Swing-out rotor
Dimensions (Ø x length):
29 x 115 mm
Capacity: 8 tubes
Tube volume: 50 ml
Max. speed: 4200 rpm
Max. RCF: 3160 x g
Autoclavable: Yes
Suitable tube types:
Falcon, Greiner, Bio-one,
Sarstedt, Corning, Nunc... .



Rotor Ri-6P

For tubes with conical bottom.
Material tube holders:
POM Kocetal
Rotor type:
Swing-out rotor
Abmessung (Ø x Länge):
29 x 115 mm
Capacity: 8 tubes
Tube volume: 50 ml
Max. speed: 4200 rpm
Max. RCF: 3160 x g
Max. Temperature: 150°C
Autoclavable: Yes
Suitable tube types:
Falcon, Greiner, Bio-one,
Sarstedt, Corning, Nunc... .



Bucket BI-25-6

Adapter suitable for Ri-6
and Ri-6P (set with 6 pcs.)
For 25 ml conical tubes.

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Optional Accessories



Rotor RMT-24

Rotor for 24 x 1,5 or 24 x 2 ml tubes.
Rotor type:
Fixed angle rotor
Capacity: 24 tubes
Tube volume:
1.5 ml or 2 ml
Max. speed: 6000 rpm
Max. RCF: 3750 x g



Rotor Ri-12/10

For tubes with round bottom.
Rotor type:
Swing-out rotor
Dimensions (W x L):
16 x 105 mm
Capacity: 12 tubes
Tube volume: 10 – 15 ml
Max. speed: 4200 rpm
Max. RCF: 3160 x g
Autoclavable: Yes
Suitable tube types:
Greiner, Bio-one, TPP, Nunc... .



Rotor Ri-12/15

For tubes with conical bottom.
Rotor type:
Swing-out rotor
Dimensions (Ø x length):
17 x 120 mm
Capacity: 12 tubes
Tube volume: 15 ml
Max. speed: 4200 rpm
Max. RCF: 3160 x g
Autoclavable: Yes
Suitable tube types:
Falcon, Greiner, Bio-one, Sarstedt, Corning, Nunc... .



Vacutainer-Sets

Suitable for rotor RI-12/10

BN-13/75

Vacutainer 2 – 5 ml
Adapter set: 12 pcs.

BN-13/100

Vacutainer 4 – 8 ml
Adapter set: 12 pcs.

BN-16/100

Vacutainer 8 – 10 ml
Adapter set: 12 pcs.



Rotor Ri-24GC

Rotor for gel cards
Rotor type:
Swing-out rotor
Dimensions: 53 x 74 mm
Capacity: 24 tubes
Max. speed: 1500 rpm
Max. RCF: 280 x g
Autoclavable: Yes
Suitable gel card types:
Grifols, DiaMed, etc.

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Optional Accessories



Rotor Ri-24/10

For tubes with round bottom.
Maternal tube holder:
POM Kocetal
Rotor type:
Swing-out rotor
Capacity: 24 tubes
Tube volume: 10 – 15 ml
Max. speed: 4000 rpm
Max. RCF: 2860 x g
Autoclavable: Yes
Passende Tubes:
Greiner, Bio-one, Nunc,
TPP... .



Rotor Ri-2

For standard 96 well micro plates.
Rotor type:
Swing-out rotor
Capacity: 2 micro plates
Platform dimensions:
128 x 85,6 mm
Max. height: <45 mm
Max. speed: 2000 rpm
Max. RCF: 560 x g
Autoclavable: Yes
Suitable tube types:
Nunc, Greiner, Sarstedt,
Corning, Greiner Bio-one.



Vacutainer-Sets

Suitable for rotor Ri-24/10

BN-13/75-24

Vacutainer 2 – 5 ml
Adapter set: 24 pcs.

BN-13/100-24

Vacutainer 4 – 8 ml
Adapter set: 24 pcs.

BN-16/100-24

Vacutainer 8 – 10 ml
Adapter set: 24 pcs.



AP-96

Adapter for 96 well semi-skirted and non-skirted PCR micro plates
Material frame:
Ertacetal® C
Capacity: 2 adapters
Plate volume: 96 well
Max. speed: 4200 rpm
Max. RCF: 560 x g
Autoclavable: Yes



AP-384

Adapter for 384 well semi-skirted and non-skirted PCR micro plates
Material frame:
Ertacetal® C
Capacity: 2 adapters
Plate volume: 384 well
Max. speed: 4200 rpm
Max. RCF: 560 x g
Autoclavable: Yes