

Swing-out Centrifuge CM-8S

Description

The powerful swing-out centrifuge CM-8S is an ideal addition to your research, clinical, or diagnostic laboratory. It has a robust motor with 4500 RPM and 3735 RCF (G Force). This equipment allows for stronger sedimentation and greater g-forces during swing-out, which is very advantageous for stem cell preparations, PRP, and blood analysis, for example.

CM-8S meets the requirements of IEC 61010-1, is CE marked and certified according to ISO 13485.

CM-8S offers advanced rotor detection software that uses magnets to recognize exactly which rotor is installed in the centrifuge. For example, it detects when a rotor is used that is not suitable for the set speed and thus prevents damage or accidents.

In addition to the main program, there are eleven additional programs that can be individually customized and provide more flexibility for different applications.

The CM-8S is maintenance-free and requires no assembly or professional set-up. All ELMi centrifuges have built-in current transformers, so they can be used safely anywhere in the world by simply plugging in the power cord or adding an adapter.

Specifications

- 11 customizable programs
- User-friendly touchscreen interface
- Fast rotor acceleration
- Easy rotor change
- Stainless steel inner container
- Transparent safety lid
- Rotor recognition software
- Continuous time and speed adjustment
- Speed and G-force display
- Variable braking speed
- Cooling function (chamber temperature max. 5°C above room temperature)
- Unbalance sensor
- Acoustic stop signal
- 11 optional rotors
- Maintenance-free



CM-8S bench-top centrifuge



CM-8S centrifuge opened



CM-8S centrifuge display

Swing-out Centrifuge CM-8S



Technical Data

Rotor rotation speed	100 – 4.500 rpm
Max. centrifugal force	1 – 3735 rcf (G-Force)
Rotor speed step RPM /RCF	1
Timer	1 sec – 12 h
Custom user programs	11
Number of centrifugal brake levels	10
Ambient temperature range	+10 up to +40 °C
Relative humidity	80 %
Voltage and frequency	100 – 240 V; 50/60 Hz
Max. consumable power	320 W
Dimensions (L x W x H)	431 x 410 x 247 mm
Weight	14.7 kg
Order No.	109.2015

Swing-out Centrifuge CM-8S - Accessories

Optional Rotors



Rotor 8M
For 12 x 12 ml tubes
Maximum size tubes:
17.5 x 115 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C



Rotor 8M.05
For 12 x 15 ml tubes
Maximum tube size:
17.5 x 140 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C



Rotor 8M.01
For 4 x 50 ml tubes
Maximum tube size:
30 x 135 mm (Ø x L)
Max. speed:
4500 rpm
Autoclavable at 121°C



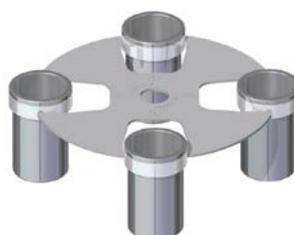
Rotor 8M.06
For 6 x 50 ml tubes
Maximum tube size:
30 x 135 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C



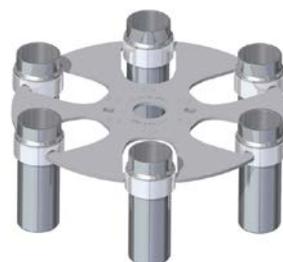
Rotor 8M.02
For 12 x 12 ml tubes
and 12 x 15 ml tubes
Maximum tube size:
17.5 x 120 mm (Ø x L)
17.5 x 140 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C



Rotor 8M.07
For 4 x 50 ml
Maximum tube size:
30 x 135 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C



Rotor 8M.03
For 4 x 50+ ml tubes
Maximum tube size:
44 x 125 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C



Rotor 8M.08
For 6 x 50 ml tubes
Maximum tube size:
30 x 120 mm (Ø x L)
Max. speed:
4500 rpm
Material: Stainless steel
Autoclavable at 121°C

Note

CM-7S Plus rotors can be seamlessly integrated into your new CM-8S centrifuge.

Swing-out Centrifuge CM-8S - Accessories

Optional Rotors



Rotor 8M.09

For 6 x 15 ml tubes
and 2 x 50 ml tubes
Maximum tube size:
for 15 ml:
17.5 x 115 mm (Ø x L)
for 50 ml:
30 x 135 mm (Ø x L)
Max. speed:
4500 rpm
Autoclavable at 121°C



Spacer VC.01

Polyamide spacer for
tubes with a volume of
12 - 15 ml
Dimensions:
16.5 x 20 mm (Ø x L)
Max. speed:
4500 rpm
Autoclavable at 121°C
(20 min)



Rotor 8M.10

For 4 x 15 ml tubes
and 2 x 50 ml tubes
Maximum tube size:
for 15 ml:
17.5 x 140 mm (Ø x L)
for 50 ml:
30 x 135 mm (Ø x L)
Max. speed:
4500 rpm
Autoclavable at 121°C



Spacer VC.02

Polyamide spacer for tubes
with a diameter of 17.5 ml
Dimensions:
17.5 x 85 mm (Ø x L)
Max. speed:
4500 rpm
Autoclavable at 121°C
(20 min)



Rotor 6M.18

Universal rotor with
anodized aluminium
adapter (conical base).
Maximum size tubes:
Two places each with
30 x 130 mm (Ø x L) and
17.5 x 131 mm (Ø x L)
Inbalance tolerance: 3 g
Max. speed:
3500 rpm
Autoclavable at 121°C
(20 min)



Spacer VC.03

Polyamide spacer for tubes
with a diameter of 21.5 ml
Dimensions:
21.5 x 71.5 mm (Ø x L)
Max. speed:
4500 rpm
Autoclavable at 121°C
(20 min)

Note

CM-7S Plus rotors can be seamlessly integrated
into your new CM-8S centrifuge.