



Microcentrifuge

1-16



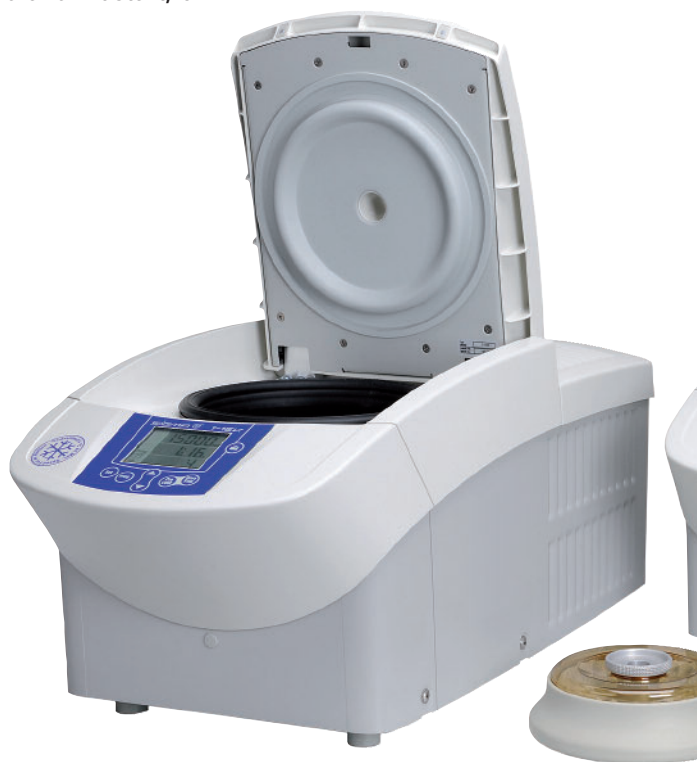
Refrigerated Centrifuge

1-16K

SIGMA 1-16 No. 10025 (220-240 V, 50/60 Hz), No. 10026 (120 V, 60 Hz), No. 10027 (100 V, 50/60 Hz)

The ergonomics and the beautiful design of this brand new generation of laboratory centrifuges will help make your work in the lab easier. Close the lid and hit start, or make use of the programming options.

- bright display
- big push buttons
- minimal temperature increase during run
- maintenance-free brushless drive motor
- motorized lid lock, auto lid open
- last run memory
- 2 acceleration- and deceleration curves, soft or fast
- stainless steel bowl
- emergency lid lock release
- window in the lid for external speed control
- overspeed controller
- according to EN 61010-2-020
- RoHS conform



SIGMA 1-16K No. 10030 (220-240 V, 50/60 Hz), No. 10031 (120 V, 60 Hz) No. 10032 (100 V, 50/60 Hz)

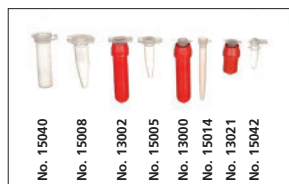
- refrigerated version of 1-16
- precooling of the rotors during standstill, refrigerant CFC-free (R 134 a)
- guaranteed 4°C at max speed for all rotors

Created during production. Centrifuge with one rotor.

| | Sigma 1-16 | Sigma 1-16K |
|---|-------------------|--------------------|
| Calibration certificate for speed and time | No. 17714 | No. 17714 |
| Calibration certificate for temperature, speed and time | - | No. 17715 |
| IQQQ | No. 17710 | No. 17711 |
| For a further rotor | No. 17712 | No. 17712 |

Adapters for rotors 12024, 12134, 12136

- No. 13000 for microtubes 0.25/0.4 ml
- No. 13002 for PCR-tubes 0.5 ml no. 15005
- No. 13021 for PCR-tubes 0.2 ml no. 15042



Microtubes

- No. 15040 reaction vial 2.0 ml
- No. 15008 reaction vial 1.5 ml
- No. 15005 reaction vial 0.5 ml
- No. 15014 reaction vial 0.4 ml
- No. 15042 reaction vial 0.2 ml PCR

SIGMA 1-16 SIGMA 1-16K



No. 11024
Microhematocritrotor
24 x \varnothing 1.5 x 75 mm
max. 12,000 $\text{min}^{-1} \hat{=} 13,684 \times \text{g}$

No. 17024
Disreader for rotor 11024

No. 15001
Capillary tubes \varnothing 1.5 x 75 mm, 200 pcs

No. 17005
Capillarytube sealing putty (10 plates)

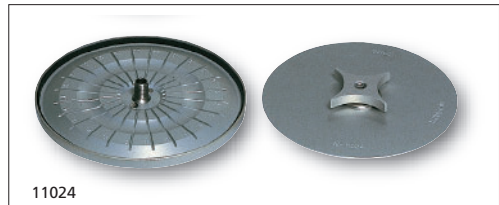
No. 17004
Magnifying glass

No. 12134
PP-Rotor
24 x 1.5 – 2.0 ml
max. 15,000 rpm $\hat{=} 20,627 \times \text{g}$
incl. hermetic plastic lid

No. 12135
PP-Rotor
4 x 8 PCR 0.2 ml
max. 15,000 rpm $\hat{=} 16,602 \times \text{g}$
incl. hermetic plastic lid

No. 12024
Aluminiumrotor
24 x 1.5 – 2.0 ml
max. 15,000 rpm $\hat{=} 20,627 \times \text{g}$
incl. hermetic plastic lid

No. 12136
Aluminiumrotor
36 x 1.5 – 2.0 ml
max. 15,000 rpm $\hat{=} 20,124 \times \text{g}$
incl. biosafe aluminium lid



11024



12134



12135



12024



12136



Certificate of conformity with European Standards Dynamic microbiological test for BIOSEALS

Registered No.:
44 799 12 415541

| Reference of applicant | Date of application | File number | Test report No. | Date of issue |
|------------------------|---------------------|-------------|-----------------|---------------|
| | 04.12.2012 | 8000410541 | 12 799 415541 | 18.12.2012 |

This is to certify that the following products comply to the essential requirements of the below mentioned European Standard:

Product: Accessories for centrifuges

Type designation: Fixed angle rotor 12136

Applicant: Sigma Laborzentrifugen GmbH
An der Unteren Söses 50
37520 Osterode am Harz

Standard(s): Annex AA of DIN EN 51010-2-020-03-2007
Dynamic microbiological test for BIOSEALS

This Certificate of conformity is based on the evaluation of one sample of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH.


Certification Body
Specialized Manager Consumer Products

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Sigma 1-16K

| | |
|-----------------------------------|-----------------------|
| Timer | 10sec - 99 min 59 sec |
| Time increments [sec] | 1 |
| Continuous | + |
| Short run | + |
| Speed increments [rpm] | 100 |
| RCF increments [xg] | 10 |
| Display speed or g-force | + |
| Acceleration-, deceleration curve | Fast, soft |
| Programs | 10 |
| Fast cool program Rapid temp* | + |
| Display temperature set, actual* | + |
| Temperature increments [°C]* | 1 |
| Microprocessor controlled | + |

| Technical data | 1-16 | 1-16K | |
|---------------------------------------|-----------------|-----------------|-----|
| Power consumption [W] | 220-240 V | 170 | 420 |
| | 120 V | 160 | 460 |
| | 100 V | 170 | 550 |
| Max. capacity [ml] | 36 x 2.0 | 36 x 2.0 | |
| Max. speed [rpm] | 15,000 | 15,000 | |
| Min. speed [rpm] | 200 | 200 | |
| Interference suppression | EN 61326 | EN 61326 | |
| Height x Width x Depth [mm] | 271 x 310 x 418 | 291 x 310 x 660 | |
| Height with open lid [mm] | 527 | 547 | |
| Weight without rotor [kg] | 13 | 32 | |
| Kinetic energy max. [Nm] | 5,176 | 5,176 | |
| Noise level at max. speed (approx.) | 59 dB (A) | 58 dB (A) | |
| Max. acceleration (Rotor 12134) [sec] | 13 | 15 | |
| Min. deceleration (Rotor 12134) [sec] | 13 | 13 | |
| Temperature setting range [°C]* | - | -10 – +40 | |
| Min. rotor temperature *) | | | |
| Rotor 12134 at 15,000 rpm [°C] | - | < 4 | |

* 1-16K only

MADE IN GERMANY

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Laboratory Centrifuges

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