

Sigma 2-7



www.sigma-zentrifugen.de

High performance with a new design

The table top centrifuge Sigma 2-7 has been newly designed and is particularly devised for small labs seeking a reliable instrument, which features flexibility for various applications, ease-of-use and quiet operation. Based on the experiences and desires of our customers a number of innovative new features are now available. The key innovations include the run display – an LED shines blue light from the bottom of the instrument onto the desktop surface, and thus gives a clear "in use" signal to operators in the lab during each run.

Another innovative feature has been implemented specifically for blood diagnostics in the doctor's lab – the tube clotting time, e.g. for use with clot activator serum tubes, can be programmed. This

results in an optimized workflow, since the centrifuge start can be followed by the user-definable clot time, and then centrifugation will start automatically; a buzzer and opening of the motorized lid lock signals completion of centrifugation. In total 10 programs are available for convenient use of the instrument according to various tube types and applications.

Air ventilation within the instrument has been optimized for both, extraordinarily quiet operation and minimum temperature increase of specimens even at maximum capacity and throughput. Other impressive technical features such as the stainless steel bowl, an imbalance switch, and the modular swing-out rotor for various bucket types round up the characteristics of this versatile centrifuge.

Sigma 2-7

- run display with blue LEDs
- clearly represented 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)
- programmable clot time for serum tubes
- stainless steel bowl
- imbalance sensor
- emergency lid lock release
- window in the lid for external speed control
- overspeed controller
- according to EN 61010-2-020
- RoHS conform





Rotors and accessories

Rotors

- Nr. 11071 swing-out rotor, 4 place, for buckets no. 13296, 13299 Nr. 11037 swing-out rotor, 2 place, for
- buckets no. 13035 Nr. 12072 angle rotor 20 x 15 ml complete, incl. 10 sets buckets no. 13011, for tubes Ø 17 x up to 120 mm, monovettes and culture tubes
- **Nr. 12073** like no. 12072, but 30 x 15 ml



11071







11037 + 13035



14302

Buckets and carriers

Nr. 13299 round bucket, for round carriers

no. 14299–14310

5–15 ml round bottom,

5-15 ml round bottom,

for monovettes up to 105 mm length

for monovettes up to

Nr. 13296 multiple carrier for 6 tubes,

105 mm length

Nr. 13035 multiple carrier for 4 tubes,

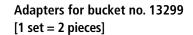
[1 set = 2 pieces]





14309

12072



Nr.	14299	for culture tube 50 ml
Nr.	14300	for 2 culture tubes 15 ml,
		without cap no. 17299
Nr.	14301	for 4 reaction vials 1.5/2.0 ml
Nr.	14302	for 5 round bottom tubes, approx.
		7 ml, max. Ø 12.5/15 x 45–105 mm
Nr.	14303	for 4 round bottom tubes 10–15 ml,
		max. Ø 16.2/17.5 x 80–110 mm
Nr.	14304	for round bottom tube 25–30 ml,
		max. Ø 25.3/30 x 70-105 mm
Nr.	14305	for round bottom tube 50 ml,
		max. Ø 35/38 x 70–105 mm
Nr.	14306	for 4 round bottom tubes 5–7 ml,
		max. Ø 13.5/17.5 x 70–110 mm
Nr.	14307	for 3 round bottom tubes approx.
		15 ml, max. Ø 17.3/19 x 80–110 mm
Nr.	14308	for tube 30 ml, flat bottom or skirt,
		max. Ø 25/31 x 65–95 mm
Nr.	14309	for 3 reaction caps 5 ml
Nr.	14310	for approx. 50 ml with skirt,
		max. Ø 29.4/36 x 90-120 mm
Nr.	17299	round polysulfone sealing cap

Technical data

13296

Power consumption [W] 100-240 V	210
Max. capacity [ml]	30 x 15, 4 x 100
Max. speed [min ⁻¹]	4,000
Min. speed [min ⁻¹]	100
Max. RCF [xg] • Rotor 11071 + bucket 13299 • Rotor 11071 + bucket 13296 • Rotor 11037 + bucket 13035 • Rotoren 12072, 12073	2,540 2,379 2,379 2,486
Interference suppression	EN 61326
Height x Width x Depth [mm]	293 x 378 x 535
Weight without rotor [kg]	23
Kinetic Energy max. [Nm]	1,821
Noise level (Rotor 11071, bucket 13299), approx.	55 dB (A)

Max. acceleration (Rotor 11071 and bucket 13299) [sec]	12
Min. deceleration (Rotor 11071 and bucket 13299) [sec]	12
Timer	10 sec – 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
Microprocessor controlled	+



Sigma Laborzentrifugen GmbH

An der Unteren Söse 50 37520 Osterode • Germany Tel. +49 (0) 55 22 / 50 07-0 Fax +49 (0) 55 22 / 50 07-12 info@sigma-zentrifugen.de www.sigma-zentrifugen.de