

Microliter centrifuges

MIKRO 2.0 | 2.0 R

Compact, precise, easy to control

The MIKRO 2.0 | 2.0 R combines performance and ease of use in a compact design. The combination of push-turn control and a high-resolution LCD display facilitates quick and easy operation. Thanks to new features such as the quick-change rotor system, the quick-release lid lock and near-field communication (NFC) technology, it speeds up work processes and ensures greater efficiency. With a maximum relative centrifugal force (RCF) of 25,212 and, in their cooled versions, a temperature range of -20 to +40 °C, the MIKRO 2.0 and MIKRO 2.0 R offer maximum performance combined with maximum flexibility.



Highlights

max. RPM: 16,100 min⁻¹
 max. RCF: 25,212

- max. capacity: 24 x 2.0 ml / 12 x 5 ml

- 5 rotors to choose from

- As General Purpose Device or compliant with the In Vitro Diagnostic Regulation (EU) 2017/746
- Easy to use thanks to 3.5 inch LCD display and push-turn control including display of all relevant parameters, program menu, error display
- Tool-free quick-change rotor system
- Bio-tight quick-release rotor lid lock with safety catch to prevent unintentional release of the lid when carrying the rotor
- Automatic rotor detection in standstill conditions
- Cycle count detection in the rotor using NFC technology, independent of the centrifuge
- 99 program memory locations
- 10 individual start and 11 stop levels
- Model 2.0 R adjustable from -20 to +40 °C with intelligent pre-cooling function lasting 6 minutes (at room temperature 22 °C)

Features

- Metal housing and cover
- Sight glass in the lid
- Motorized lid lock
- Lid drop protection
- Emergency release
- Stainless steel basket
- Extended voltage range power supply unit
- Durable synchronous motor
- Unbalance monitoring and shutdown
- "Quick Spin button" for short-duration centrifugation
- Display in °C and °F possible
- Natural refrigerant (R290)
- Display stand-by mode
- User interface available in 26 languages
- Shortest start-up and stopping times thanks to synchronous motor
- Automatic centrifugation start after lid closure or automatic lid opening after centrifugation run complete (adjustable)



Technical data





N	ΛIK	RO	2.	0
no	n ro	fria	orot	od.

M	ΙK	RO	2.0)R
	rσf	rinar	ator	4

	non-refrigerated	refrigerated		
voltage *)	100- 240 V 1 ~	100- 240 V 1 ~		
frequency	50 – 60 Hz	50 – 60 Hz		
consumption	270 VA	420 VA		
emission, immunity	EN/IEC 61326-1, Class B	EN/IEC 61326-1, Class B		
max. capacity	24 x 2,0 ml / 12 x 5 ml	24 x 2,0 ml / 12 x 5 ml		
max. RPM	16.100 min ⁻¹	16.100 min ⁻¹		
max. RCF	25.212	25.212		
running time	99 h, 59 min, 59 se, continuous run, short cycle mode (impulse button)	99 h, 59 min, 59 se, continuous run, short cycle mode (impulse button)		
dimesions (WxDxH)	240 x 389 x 225 mm	240 x 538 x 250 mm		
weight	approx. 18 kg	approx. 30 kg		
noise level	≤ 57 dB (A) with rotor 2414	\leq 57 dB (A) with rotor 2414		
temperature control, infinitely variable	- from -20 to +40 °C			
Cat. No. – IVDR	DR 2404 2406			
Cat. No General Purpose (GP)	2440	2460		
Cat. No General Purpose (GP)	2440	2400		

Available rotors

ANGLE ROTORS		angle	max. RPM	max. capacity	Cat. No.	page
	angle rotor, 24-place	45°	16,100 min ⁻¹	24 x 2.0 ml	2414	3
	angle rotor, 24-place for spin column kits	45°	14,600 min ⁻¹	24 x spin columns	2415	3
	angle rotor, 20-place for cryo tubes	45°	14,600 min ⁻¹	20 x cryo tubes	2419	4
	angle rotor, 12-place	45°	14,900 min ⁻¹	12 x 5 ml	2413	4
	angle rotor, 8-place for PCR strips	45°	15,400 min ⁻¹	8 x 8 PCR strips	1540	5



- Angle rotor, 24-place | 2414



Angle rotor, 24-place | 2415

Rotor



Lid bioseal 5)

- Adapter 6 x 40 boring \emptyset x L in mm 6 x 40 8 x 40 8 x 40 10.2 x 19.3 11.2 x 42.6 11.2x39 vessels per rotor 24 24 24 24 24 24 24 12 12 2024 2024 2023 2023 20317) Cat. No. 0788
- For cooled versions: Lowest temperature
- achievable with precooling and max. speed.

 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
- 5) Tested by the TÜV in conformity with DIN EN 61010, section 2 020.
- For centrifugation at high speeds, we recommend to use conical, phenol-resistant adapters. Cat. No. 2031.
- 8) Only every second place can be occupied.





- Angle rotor, 20-place | 2419



- Angle rotor, 8-place | 1540

Cat. No.



ce from the rotor axis to the outer bore tip.



- Angle rotor, 12-place | 2413



- For cooled versions: Lowest temperature achievable with precooling and max. speed.
- Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
- 5) Tested by the TÜV in cor 'ormity wit' i DIN EN 61010, section 2 020.

Certifications / Registrations

Product certification:











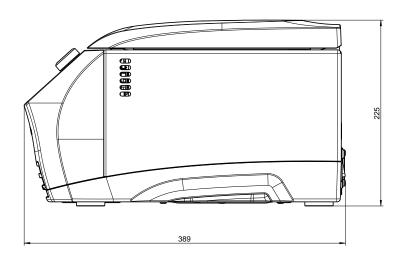
Company certifications:

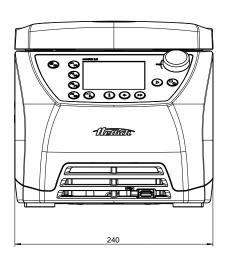






Dimensions – MIKRO 2.0







- Dimensions - MIKRO 2.0 R

