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Центрифуги для молекулярной биологии MIKRO 200 R и MIKRO 200

MICROLITRE CENTRIFUGES

— MIKRO 200 | 200 R

FASTER RESULTS IN MOLECULAR BIOLOGY

The MIKRO 200 are amongst the highest-speed microliter centrifuges in their class. Rotors are designed to spin micro-liter and PCR tubes. MIKRO 200 achieves a maximum RCF of 21,382 with up to 30 tubes, enabling rapid processing of samples and optimal separation, at low noise levels of 54 dB(A).

This unit is available with refrigeration and a temperature range from -10 °C to +40 °C (MIKRO 200 R).



— HIGHLIGHTS

- RPM: 500 - 15,000 min⁻¹
Adjustable in increments of 10
- max. RCF: 21,382
- max. capacity: 30 x 2.0 ml
- Choice of 4 rotors
- IVDR-conform according to regulation (EU) 2017/746
- impulse key for short cycle mode
- easy operation with keypad and control knob
- 4 program memories for more individuality
- 9 individual acceleration and deceleration stages
- model 200 R coolable from -20 to +40 °C with pre-cooling function

— FEATURES

- metal housing and lid
- viewing port in the lid
- powered one-hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- display in °C and °F possible
- imbalance switch-off
- backlit panel with actual values of all parameters
- audio message after completion of the centrifugation run

TECHNICAL DATA

	MIKRO 200 non-refrigerated	MIKRO 200 R refrigerated
voltage *)	200 – 240 V 1 ~	200 – 240 V 1 ~
frequency	50 – 60 Hz	50 Hz
consumption	240 VA	450 VA
emission, immunity	EN/IEC 61326-1, class B	EN/IEC 61326-1, class B
max. capacity	30 x 1.5 / 2.0 ml	30 x 1.5 / 2.0 ml
max. RPM	15,000 min ⁻¹	15,000 min ⁻¹
max. RCF	21,382	21,382
running time	1 – 99 min: 59 s, ∞ continuous run, short cycle mode (impulse button)	1 – 99 min: 59 s, ∞ continuous run, short cycle mode (impulse button)
dimesions (WxDxH)	275 x 344 x 260 mm	281 x 553 x 260 mm
weight	approx. 11.5 kg	approx. 28 kg
noise level	≤ 58 dB (A) with rotor 2434	≤ 51 dB (A) with rotor 2437
temperature control, infinitely variable	-	from -10 to +40 °C
Cat. No.	2400	2405
100 – 127 V 1 ~ / 50–60 Hz	2400-01	2405-01
consumption	270 VA	630 VA
emission, immunity	FCC class B	FCC class B

*) Other voltages on request.

AVAILABLE ROTORS

ANGLE ROTORS	angle	max. RPM	max. capacity	Cat. No.	page
 angle rotor, 24-place	45°	15,000 min ⁻¹	24 x 2 ml	2434	3
 angle rotor, 30-place	45° inside / 55° outside	15,000 min ⁻¹	30 x 2 ml	2437	3
 angle rotor, 24-place for spin column kits	45°	15,000 min ⁻¹	24 x 2 ml	2428	4
 angle rotor, 4-place	45°	15,000 min ⁻¹	4 x 8 PCR strips	2418-A	4

ANGLE ROTOR, 24-PLACE | 2434



Rotor

max. RPM max. RCF	15,000 min ⁻¹ 21,382
max. capacity	24 x 2 ml
run up run down, braked in sec	20 28
angle max. noise level	45° 53 dB (A)
temperature in °C ¹⁾	+4

Cat. No.

2434



Lid bioseal⁵⁾

Cat. No.



INCLUSIVE



Vessels

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10.7 x 36
max. RCF ²⁾	21,382	21,382	21,382	21,382	21,382	21,382	20,376
radius in mm	85	85	85	85	85	85	81

Cat. No.

microliter tubes

Pediatric



Adapter

boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2x42.6
vessels per rotor	24	24	24	24	24	12

Cat. No.

2024

2024

2023

2023

2031⁷⁾

-

0788

ANGLE ROTOR, 30-PLACE | 2437



Rotor

max. RPM max. RCF	15,000 min ⁻¹ 21,382
max. capacity	30 x 2 ml
run up run down, braked in sec	22 30
angle max. noise level	45° inside / 55° outside 51 dB (A)
temperature in °C ¹⁾	+4

Cat. No.

2437



Lid bioseal⁵⁾

Cat. No.



INCLUSIVE



Vessels

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10.7 x 36
max. RCF ²⁾	21,382	21,382	21,382	21,382	21,382	21,382	20,376
radius in mm	85	85	85	85	85	85	81

Cat. No.

microliter tubes

Pediatric



Adapter

boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2x41.3
vessels per rotor	30	30	30	30	30	15

Cat. No.

2024

2024

2023

2023

2031⁷⁾

-

0788

1) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

7) For centrifugation at high speeds, we recommend to use conical, phenol-resistant adapters. Cat. No. 2031.

ANGLE ROTOR, 24-PLACE | 2428

Rotor		+	Lid bioseal ⁹⁾	
max. RPM max. RCF	15,000 min ⁻¹ 21,382		Cat. No.	INCLUSIVE
max. capacity	24 x 2 ml			
run up run down, braked in sec	20 28			
angle max. noise level	45° 53 dB (A)			
temperature in °C ¹⁾	+4			
Cat. No.	2428			



Vessels									
capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0	1.5	2.0	0.5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	11 x 38	11 x 38	10.7 x 36
max. RCF ²⁾	21,382	21,382	21,382	21,382	21,382	21,382	21,382	21,382	20,376
radius in mm	85	85	85	85	85	85	85	85	81
Cat. No.	microliter tubes						micro spin columns		Pediatric

+									
Adapter									
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	10.2 x 19	-	11.2 x 42.6	11.2 x 39
vessels per rotor	24	24	24	24	24	24	24	24	12
Cat. No.	2024	2024	2023	2023	2031⁷⁾	-	2031⁷⁾	-	0788

ANGLE ROTOR, 4-PLACE | 2418-A

Rotor		+	Lid	
max. RPM max. RCF	15,000 min ⁻¹ 14,338		Cat. No.	E3243
max. capacity	4 x 8 PCR strips			
run up run down, braked in sec	19 28			
angle	45°			
temperature in °C ¹⁾	+4			
Cat. No.	2418-A			



Vessels		
capacity in ml	0.2	0.2
Ø x L in mm	6 x 18	-
max. RCF ²⁾	14,338	14,338
radius in mm	57	57
Cat. No.	-	PCR strips

+		
Adapter		
boring Ø x L in mm	6.5 x 15.5	6.5 x 15.5
vessels per rotor	32	4 x 8
Cat. No.	-	-

- 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 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.

CERTIFICATIONS / REGISTRATIONS

Product certification:



Product registration:

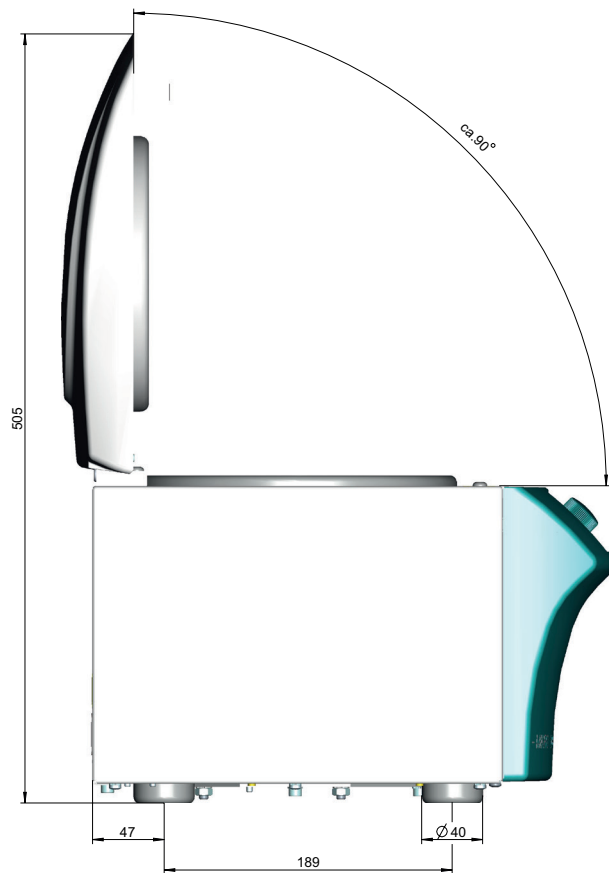


according to regulation (EU) 2017/746

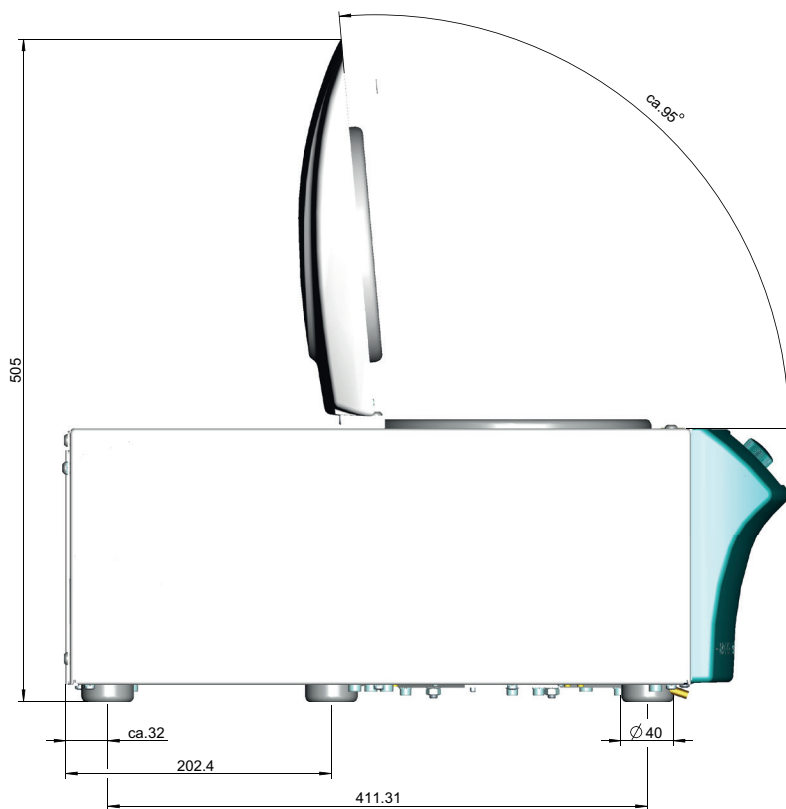
Company certifications:



DIMENSIONS – MIKRO 200



DIMENSIONS – MIKRO 200 R



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