Microlitre centrifuge

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 microliter 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 (W x D x H)	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 I max. RCF	15,000 min^{-1} I 21,382
max. capactiy	24 x 2 ml
run up I run down, braked in sec	20 I 28
angle I max. noise level	45° I 53 dB (A)
temperature in °C[1]	+4
Cat. No.	**2434**

Lid bioseal [5]	
Cat. No.	**INCLUSIVE**

	microliter tubes						Pediatric
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 46
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
Adapter							
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	10,2 x 19,3	11.2x42.6	11.2 x 39
vessels per rotor	24	24	24	24	24	24	12
Cat. No.	**2024**	**2024**	**2023**	**2023**	**2031[7]**	**-**	**0788**

Angle rotor, 30-place | 2437

Rotor	
max. RPM I max. RCF	15,000 min^{-1} I 21,382
max. capactiy	30 x 2 ml
run up I run down, braked in sec	22 I 30
angle I max. noise level	45° inside / 55° outside I 51 dB (A)
temperature in °C[1]	+4
Cat. No.	**2437**

Lid bioseal [5]	
Cat. No.	**INCLUSIVE**

	microliter tubes						Pediatric
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 46
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
Adapter							
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	10,2 x 19,3	11.2x41.3	11.2x39
vessels per rotor	30	30	30	30	30	30	15
Cat. No.	**2024**	**2024**	**2023**	**2023**	**2031[7]**	**-**	**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.
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	
max. RPM I max. RCF	15,000 min^{-1} I 21,382
max. capactiy	24 x 2 ml
run up I run down, braked in sec	20 I 28
angle I max. noise level	45° I 53 dB (A)
temperature in °C[1]	+4
Cat. No.	**2428**

Lid bioseal [5]	
Cat. No.	**INCLUSIVE**

	microliter tubes						micro spin columns		Pediatric
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 46
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
Adapter									
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	10,2 x 19,3	10.2 x 19	10,2 x 19,3	11.2x42.6	11.2 x 39
vessels per rotor	24	24	24	24	24	24	24	24	12
Cat. No.	**2024**	**2024**	**2023**	**2023**	**2031[7]**	**-**	**2031[7]**	**-**	**0788**

Angle rotor, 4-place | 2418-A

Rotor	
max. RPM I max. RCF	15,000 min^{-1} I 14,338
max. capactiy	4 x 8 PCR strips
run up I run down, braked in sec	19 I 28
angle	45°
temperature in °C[1]	+4
Cat. No.	**2418-A**

Lid	
Cat. No.	**E3243**

	-	PCR strips
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
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.	**-**	**-**

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.
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.

Certifications / Registrations

Product certification:

Product registration:

IVDR CONFORM
according to regulation (EU) 2017/746

Company certifications:

Dimensions – MIKRO 200

Dimensions – MIKRO 200 R

DS.0525-EN

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