

## 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 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<sup>-1</sup>  
Adjustable in steps of 10
- max. RCF: 21,382
- max. capacity: 30 x 2.0 ml
- Choice of 3 rotors
- IVD-conform according to directive 98/79/EC
- 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 classic	MIKRO 200 R cooled
voltage *)	200 – 240 V 1 ~	200 – 240 V 1 ~
frequency	50 – 60 Hz	50 – 60 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 <sup>-1</sup>	15,000 min <sup>-1</sup>
max. RCF	21,382	21,382
running time	1 – 99 min, ∞ continuous run, short cycle mode (impulse button)	1 – 99 min, ∞ continuous run, short cycle mode (impulse button)
dimensions (WxDxH)	275 x 344 x 260 mm	281 x 553 x 260 mm
weight	approx. 11.5 kg	approx. 28 kg
max. noise level	≤ 59 dB (A)	≤ 54 dB (A)
temperature control, infinitely variable	-	from -10 to +40 °C
<b>Cat. No.</b>	<b>2400</b>	<b>2405</b>
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 <sup>-1</sup>	24 x 2 ml	<b>2434</b>	38
 angle rotor, 30-place	40° inside / 52.5° outside	15,000 min <sup>-1</sup>	30 x 2 ml	<b>2437</b>	38
 angle rotor, 24-place for spin column kits	45°	15,000 min <sup>-1</sup>	24 x 2 ml	<b>2428</b>	39

## — ANGLE ROTOR, 24-PLACE | 2434



### Rotor

max. RPM   max. RCF	15,000 min <sup>-1</sup>   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 <sup>1)</sup>	+4

<b>Cat. No.</b>	<b>2434</b>
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### Lid bioseal<sup>5)</sup>

<b>Cat. No.</b>	<b>INCLUSIVE</b>
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### Vessels

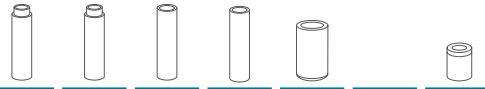


capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10.7 x 36
max. RCF <sup>2)</sup>	21,382	21,382	21,382	21,382	21,382	21,382	20,376
radius in mm	85	85	85	85	85	85	81

<b>Cat. No.</b>	<b>microliter tubes</b>						<b>Pediatric</b>
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### Adapter



boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2x42.6	11.2x39
vessels per rotor	24	24	24	24	24	24	12

<b>Cat. No.</b>	<b>2024</b>	<b>2024</b>	<b>2023</b>	<b>2023</b>	<b>2031<sup>7)</sup></b>	<b>-</b>	<b>0788</b>
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## — ANGLE ROTOR, 30-PLACE | 2437



### Rotor

max. RPM   max. RCF	15,000 min <sup>-1</sup>   20,627
max. capacity	30 x 2 ml
run up   run down, braked in sec	22   30
angle	40° inside / 52.5° outside
max. noise level	51 dB (A)
temperature in °C <sup>1)</sup>	+4

<b>Cat. No.</b>	<b>2437</b>
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### Lid bioseal<sup>5)</sup>

<b>Cat. No.</b>	<b>INCLUSIVE</b>
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### 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 <sup>2)</sup>	20,627	20,627	20,627	20,627	20,627	20,627	20,124
radius in mm	82	82	82	82	82	82	80

<b>Cat. No.</b>	<b>microliter tubes</b>						<b>Pediatric</b>
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### Adapter



boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2x41.3	11.2x39
vessels per rotor	30	30	30	30	30	30	15

<b>Cat. No.</b>	<b>2024</b>	<b>2024</b>	<b>2023</b>	<b>2023</b>	<b>2031<sup>7)</sup></b>	<b>-</b>	<b>0788</b>
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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

max. RPM   max. RCF	15,000 min <sup>-1</sup>   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 <sup>1)</sup>	+4

### Lid bioseal<sup>5)</sup>

Cat. No. **INCLUSIVE**

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 <sup>2)</sup>	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** **2031<sup>7)</sup>** **-** **2031<sup>7)</sup>** **-** **0788**

- 1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of Vessels used should be verified with the individual manufacturers. The max. RCF for glass Vessels 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 2031.

CERTIFICATES / REGISTRATIONS



DOWNLOADS

[↓ Operating manual – MIKRO 200 | 200 R](#)

[↓ Complete Range Catalogue](#)

