

# COOL SPRINTER



**MIKRO 200/200 R**  
Microlitre Centrifuges  
classic/cooled

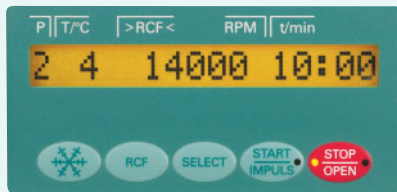
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# MIKRO 200/200 R

The MIKRO 200 and 200R rank among the fastest centrifuges in their class – with a maximum speed of 14,000 RPM and an RCF of 18,626. Not only are they fast, the MIKRO 200R also refrigerates quickly: to +4°C with the Fast Cool function in 10 to 15 minutes.

Even thermosensitive samples can be gently centrifuged thanks to highly reliable refrigeration. Best separation results are guaranteed with the smooth-running, high-performance motor featuring a maintenance-free frequency drive. With the autoclavable and aerosol-tight accessories, even infectious materials can be processed safely for both the user and the environment.



MIKRO 200R control panel



MIKRO 200R cooled

## USER-FRIENDLINESS

- Automatic lid locking
- Quick-entry foil keypad
  - Easy-to-read, digital display
  - Display of current parameter values
  - Select key for parameter selection
  - Impulse key for short centrifuging
  - Open lid key
  - RCF key
- Twist knob to enter values
  - RPM in increments of 100
  - Running time in minutes, max. 99 min
  - Temperature in increments of 1°C (MIKRO 200R)
- 4 programmable memories

## REFRIGERATION (MIKRO 200 R)

- Infinitely variable setting from -10 °C to +40 °C
- Fast Cool function
- Stand-by mode maintains the set temperature
- Automatic refrigeration switch-off when the lid is opened

## SAFETY

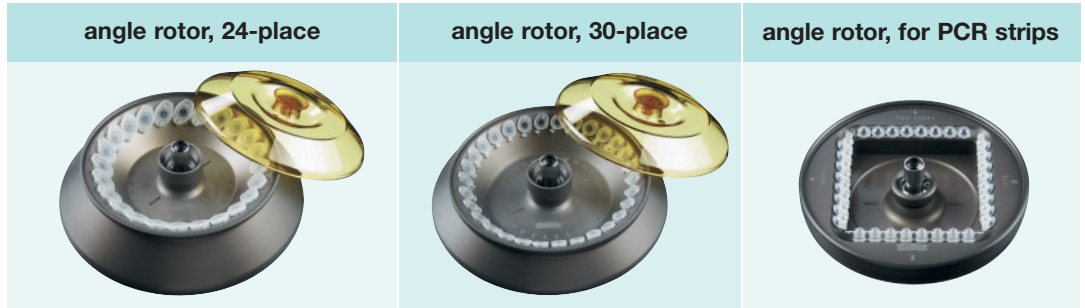
- Lid dropping protection
- Lid locking and holding
- Emergency lid lock release
- Motor overheating protection
- Chamber overheating protection
- Imbalance switch-off
- Standstill indication
  - with the refrigerated model MIKRO 200R the LED in the Open key lights up
  - with the MIKRO 200 the lid opens automatically after the rotor has come to a standstill

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# ROTORS AND ACCESSORIES

**all rotors:**

- max. RPM: 14,000 min<sup>-1</sup>
- autoclavable



	angle rotor, 24-place	angle rotor, 30-place	angle rotor, for PCR strips
angle	50°	45°	45°
max. RCF	18,626	17,749	12,490
radius in mm	85	81	57
run-up in s (at level 9)	13	10	9
braked run-down in s (at level 9)	15	13	13
lowest attainable temperature in MIKRO 200 R at max. speed	+4	+4	+4
<b>Cat. No.</b>	<b>2424</b>	<b>2430</b>	<b>2418</b>

tubes per rotor	24						30	32	4 x 8
capacity ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5	0.2	0.2
<b>microlitre tubes</b>									
dimensions Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	8 x 30	6 x 18	-
<b>Cat. No.</b>	-	-	-	-	<b>2078</b>	<b>0536</b>	-	-	-

<b>adapters</b>			
<b>Cat. No.</b>	<b>2024</b>	<b>2023</b>	<b>2031*</b>

\* form-fitting adapter, recommended for centrifugation at high speed

lid	inclusive	inclusive	optional
<b>Cat. No.</b>	-	-	<b>E 2040</b>
lid, aerosol-tight and autoclavable	optional	optional	-
<b>Cat. No.</b>	<b>2425</b>	<b>2425</b>	-
lid, phenol-resistant, aerosol-tight and autoclavable	optional	optional	-
<b>Cat. No.</b>	<b>2423</b>	<b>2423</b>	-



lid E 2040



lid 2425, aerosol-tight and autoclavable



MIKRO 200 illustrated with angle rotor 2424

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# MIKRO 200/200 R

## TECHNOLOGY

TECHNOLOGY	MIKRO 200		MIKRO 200 R	
	classic		cooled	
<b>Microlitre centrifuge, without rotor</b>				
Power supply *	220 – 240 V 1~	110 – 127 V 1~	220 – 240 V 1~	110 – 127 V 1~
Frequency	50 – 60 Hz	50 – 60 Hz	50 Hz	60 Hz
Consumption	184 VA	184 VA	330 VA	330 VA
Radio interference	EN 55011 ISM class B	FCC class B	EN 55011 ISM class B	FCC class B
Immunity	EN 50082-1	-	EN 50082-1	-
Max. capacity	24 x 1.5/2.0 ml			
Max. RPM (speed)	14,000 min <sup>-1</sup>			
Max. RCF	18,626			
Running time	1 – 99 min., ∞ continuous run, impulse key (short cycle mode)			
Dimensions (H x W x D) in mm	260 x 275 x 344		260 x 281 x 547	
Weight	11.5 kg		28 kg	
<b>Refrigeration</b>				
Temperature control, infinitely variable	-		from -10 to +40 °C	
Precooling time (Fast Cool)	-		in 10 – 15 min. to +4 °C	
<b>Cat. No.</b>	<b>2400</b>	<b>2400-01</b>	<b>2405</b>	<b>2405-01</b>

\* other voltages on request



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