

COOL SPRINTER



MIKRO 200/200 R
Microlitre Centrifuges
classic/cooled

MIKRO 200/200 R

The MIKRO 200 and 200 R 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 200 R 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 200 R 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 10
 - Running time in minutes, max. 99 min
 - Temperature in increments of 1°C (MIKRO 200 R)
- 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 200 R the LED in the Open key lights up
 - with the MIKRO 200 the lid opens automatically after the rotor has come to a standstill

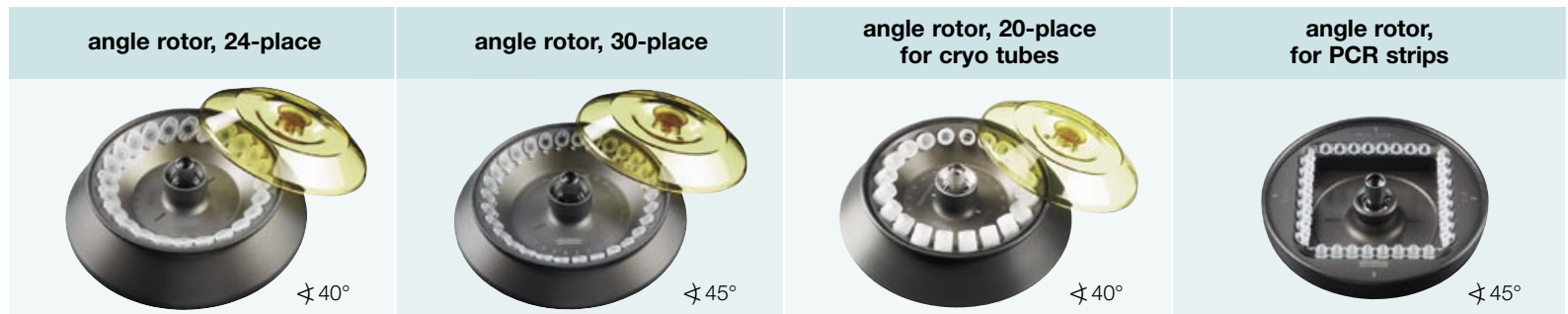


MIKRO 200 classic

ROTORS AND ACCESSORIES

all rotors:

- max. RPM: 14,000 min⁻¹
- autoclavable



max. RCF	18,626	17,749	18,407	12,490
radius in mm	85	81	84	57
run-up in s (at level 9)	13	10	13	9
braked run-down in s (at level 9)	15	13	15	13
lowest attainable temperature in MIKRO 200R at max. speed in °C	+4	+4	+4	+4
boring Ø x L in mm	5.6 x 21.3	8.1 x 28	6.5 x 15.5	12.5 x 35.2
Cat. No.	2424	2430	2426	2418

tubes per rotor	24						30	20	32	4 x 8
capacity ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5	1.8	0.2	0.2
microlitre tubes										
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	-
Cat. No.	-	-	-	-	2078	0536	-	-	-	-

adapters			
boring Ø x L in mm	6 x 40	8 x 40	10.2 x 19
Cat. No.	2024	2023	2031¹⁾

lid	inclusive	inclusive	inclusive	optional
Cat. No.	-	-	-	E2040
lid, autoclavable, with bio-containment ²⁾	optional	optional	optional	-
Cat. No.	2425	2425	2425	-
lid, autoclavable, phenol-resistant, with bio-containment ²⁾	optional	optional	optional	-
Cat. No.	2423	2423	2423	-

¹⁾ form-fitting adapter, phenol-resistant, recommended for centrifugation at high speed

²⁾ tested by the TÜV in conformity with DIN EN 61010, part 2-020



lid E2040



lid 2425 with bio-containment ²⁾, autoclavable



lid 2423 with bio-containment ²⁾, autoclavable, phenol-resistant

MIKRO 200/200 R

TECHNOLOGY

	MIKRO 200		MIKRO 200 R	
Microlitre centrifuge, without rotor	classic		cooled	
Power supply *	200 – 240 V 1~	100 – 127 V 1~	200 – 240 V 1~	100 – 127 V 1~
Frequency	50 – 60 Hz	50 – 60 Hz	50 Hz	50 – 60 Hz
Consumption	230 VA	200 VA	400 VA	600 VA
Emission	EN 55011 group 1, class B EN 61000-3-2, EN 61000-3-3	FCC class B	EN 55011 group 1, class B EN 61000-3-2, EN 61000-3-3	FCC class B
Immunity	EN 61000-6-2	-	EN 61000-6-2	-
Max. capacity	24 x 1.5/2.0 ml			
Max. RPM (speed)	14,000 min ⁻¹			
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	
Refrigeration				
Temperature control, infinitely variable	-		from -10 to +40 °C	
Precooling time (Fast Cool)	-		in 10 – 15 min. to +4 °C	
Cat. No.	2400	2400-01	2405	2405-01

* other voltages on request

Andreas Hettich GmbH & Co. KG

Föhrenstr. 12
D-78532 Tuttlingen
Germany

www.hettichlab.com
info@hettichlab.com
service@hettichlab.com

Phone +49 (0)7461 / 705 -0
Fax +49 (0)7461 / 705 -122

National Sales: -200
International Sales: -201
National Service: -202
International Service: -203

Hettich
ZENTRIFUGEN