Hettich
ZENTRIFUGEN

# MIKRO 185
## Microlitre centrifuge

Unique: Separation technology at the workplace


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# MIKRO 185


**View into the centrifuging chamber**
showing the rotor 1226

## SEE FOR YOURSELF THE ADVANTAGES OF HAVING YOUR OWN CENTRIFUGE ON YOUR WORKBENCH

The MIKRO 185 is a highly versatile centrifuge with a maximum RCF of 17,008 and a choice of four rotors. All separation steps that are necessary for sample preparation for molecular biology applications and that do not require cooling can be performed rapidly and reliably. Spin column kits (minipreps) can also be used. This is facilitated by the special design of rotor 1213.

The ergonomic design of the MIKRO 185 enables centrifugation procedures to be carried out rapidly and with ease. The parameters time, RPM and RCF can be easily set via arrow keys on the control panel, which is clearly laid out. The values are displayed on the backlit LCD display while the centrifuge is running. The lid of the centrifuge opens automatically once centrifugation is concluded.

Its compact dimensions mean that the MIKRO 185 takes up little space on the workbench.


**MIKRO 185**
Microlitre centrifuge

**Cat. No. 1203**

# MIKRO 185

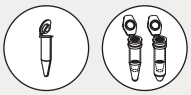
**ACCESSORIES TO MEET EVERY NEED**
Angle rotors that can hold 12, 18 or 24 samples are available. Spin column kits can be centrifuged in an 18-place rotor. Lids with bioseals are available for the 1226 and 1213 rotors.

**STURDY DESIGN**
Although of compact design, the MIKRO 185 has a high stability. This makes it safe and quiet in operation.

**PRACTICAL FUNCTIONS**
The MIKRO 185 is easy to operate and is equipped with useful functions. For example, it has a pulse button for very short centrifugation runs, e.g., to centrifuge down droplets of liquid. The centrifuge will run with the selected speed as long as the button is pressed.

**MAXIMUM SAFETY**
The MIKRO 185 contributes to safety at the workplace. The robust housing and the centrifuging chamber and inner lid of metal ensure mechanical stability. The accessories with a bioseal (TÜV-tested as specified in DIN EN 61010, Part 2-02) offer protection against dangerous and aggressive aerosols.

## AT A GLANCE



**FIELDS OF APPLICATION**
- **Research**
  Sample preparation for molecular biology applications that do not require cooling
- **Clinical diagnostics**
  Sample preparation in a PCR laboratory, e.g., for infection diagnostics
- **Education**
  Molecular biology practicals in schools and universities

**EASE OF OPERATION**
- Fast and precise setting of centrifugation time, RPM and RCF via arrow keys
- Lid opens at the press of a button
- Pulse key for short centrifugation runs
- Backlit LCD display

**SAFETY**
- Lid locking and holding
- Imbalance switch-off
- Emergency lid lock release
- Motor overheating protection

**DESIGN**
- Compact design that saves space
- Smooth plastic housing, easy to clean
- Metal lid
- Centrifuging chamber of light metal

**MAX. RCF**
- 17,008

**MAX. CAPACITY**
- 24 x 1.5/2.0 ml

**OUR SERVICE**
You will find information on Hettich partners in your country at www.hettichlab.com

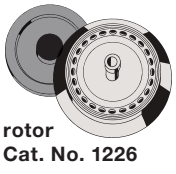
# ACCESSORIES

## Angle rotor, 24-place

with bio-containment[1],
autoclavable and phenol-resistant

∢ 45°
n = 13,300 min$^{-1}$
max. RCF 17,008

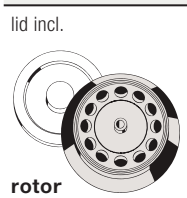
**Cat. No. 1226**

| capacity in ml | 0.2 | 0.4 | 0.5 | 0.8 | 1.5 | 2.0 | 0.5 |
|---|---|---|---|---|---|---|---|
| Ø x L in mm | 6x18 | 6x45 | 8x30 | 8x45 | 11x38 | 11x38 | 10.7 x36 |
| **Cat. No.** | **-** | **-** | **-** | **-** | **2078** | **0536** | **Pediatric** |
| lid with bio-containment[1] incl. **rotor Cat. No. 1226** |  | | | | | | |
| **Cat. No.** | **2024** | | **2023** | | **2031**[2] | **-** | **0788** |
| boring Ø x L in mm | 6x40 | | 8x40 | | 10.2x19 | 11.2x39 | 11.2x39 |
| tubes per rotor | 24 | | | | | | 12 |
| max. RCF | 17,008 | | | | | | 16,019 |
| radius in mm | 86 | | | | | | 81 |
| run-up in sec | 14 | | | | | | |
| run-down in sec, braked | 16 | | | | | | |

## Angle rotor, 12-place

∢ 45°
n = 13,300 min$^{-1}$
max. RCF 14,041

**Cat. No. 1252**

| capacity in ml | 0.2 | 0.4 | 0.5 | 0.8 | 1.5 | 2.0 | 0.5 |
|---|---|---|---|---|---|---|---|
| Ø x L in mm | 6x18 | 6x45 | 8x30 | 8x45 | 11x38 | 11x38 | 10.7 x36 |
| **Cat. No.** | **-** | **-** | **-** | **-** | **2078** | **0536** | **Pediatric** |
| lid incl. **rotor Cat. No. 1252** |  | | | | | | |
| **Cat. No.** | **2024** | | **2023** | | **2031**[2] | **-** | **0788** |
| boring Ø x L in mm | 6x40 | | 8x40 | | 10.2x19 | 11.2x39 | 11.2x39 |
| tubes per rotor | 12 | | | | | | |
| max. RCF | 14,041 | | | | | | 13,052 |
| radius in mm | 71 | | | | | | 66 |
| run-up in sec | 14 | | | | | | |
| run-down in sec. braked | 16 | | | | | | |

[1] Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
[2] For centrifugation at high speeds, we recommend to use form-fitting, phenol-resistant adapters 2031.

# ACCESSORIES

## Angle rotor, 18-place

∢ 45°
n = 13,300 min$^{-1}$
max. RCF 15,030

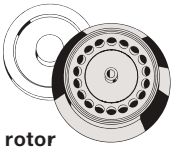
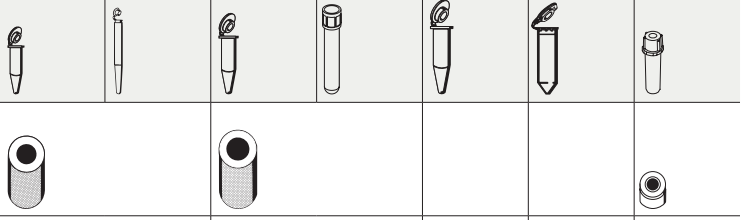
**Cat. No. 1258**

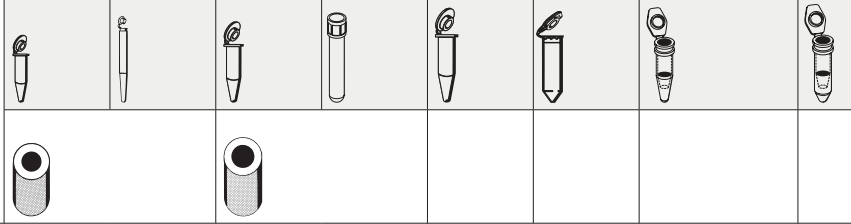
## Angle rotor, 18-place, for spin column kits

lid with bio-containment[1],
autoclavable, phenol-resistant (optional)
**Cat. No. 1246**

∢ 45°
n = 13,300 min$^{-1}$
max. RCF 15,030

**Cat. No.** (without lid) **1213**

| capacity in ml | 0.2 | 0.4 | 0.5 | 0.8 | 1.5 | 2.0 | 0.5 |
|---|---|---|---|---|---|---|---|
| Ø x L in mm | 6x18 | 6x45 | 8x30 | 8x45 | 11x38 | 11x38 | 10.7x36 |
| **Cat. No.** | **-** | **-** | **-** | **-** | **2078** | **0536** | **Pediatric** |
| lid incl.  **rotor Cat. No. 1258** |  | | | | | | |
| **Cat. No.** | **2024** | | **2023** | | **2031**[2] | **-** | **0788** |
| boring Ø x L in mm | 6x40 | | 8x40 | | 10.2x19 | 11.2x39 | 11.2x39 |
| tubes per rotor | 18 | | | | | | 9 |
| max. RCF | 15,030 | | | | | | 14,041 |
| radius in mm | 76 | | | | | | 71 |
| run-up in sec | 14 | | | | | | |
| run-down in sec, braked | 16 | | | | | | |

| capacity in ml | 0.2 | 0.4 | 0.5 | 0.8 | 1.5 | 2.0 | 1.5 | 2.0 |
|---|---|---|---|---|---|---|---|---|
| Ø x L in mm | 6x18 | 6x45 | 8x30 | 8x45 | 11x38 | 11x38 | 11x38 | |
| **Cat. No.** | **-** | **-** | **-** | **-** | **2078** | **0536** | **micro spin columns** | |
| **lid** with bio-containment[1] **Cat. No. 1246**  **rotor Cat. No. 1213** |  | | | | | | | |
| **Cat. No.** | **2024** | | **2023** | | **2031**[2] | **-** | **2031**[2] | **-** |
| boring Ø x L in mm | 6x40 | | 8x40 | | 10.2x19 | 11.2x39 | 10.2x19 | 11.2x39 |
| tubes per rotor | 18 | | | | | | | |
| max. RCF | 15,030 | | | | | | | |
| radius in mm | 76 | | | | | | | |
| run-up in sec | 14 | | | | | | | |
| run-down in sec. braked | 16 | | | | | | | |

[1] Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
[2] For centrifugation at high speeds, we recommend to use form-fitting, phenol-resistant adapters 2031.

# TECHNICAL DATA

| TECHNOLOGY | | MIKRO 185 | |
|---|---|---|---|
| **Microlitre centrifuge, without rotor** | | | |
| Power supply*) | | 200–240 V 1 ~ | 100–127 V 1 ~ |
| Frequency | | 50–60 Hz | 50–60 Hz |
| Consumption | | 330 VA | 330 VA |
| Emission, Immunity | | EN/IEC 61326-1, class B | FCC class B |
|  | Max. capacity | 24x1.5/2.0 ml | 24x1.5/2.0 ml |
| | Max. RPM (speed) | 13,300 $min^{-1}$ | 13,300 $min^{-1}$ |
| | Max. RCF | 17,008 | 17,008 |
| Running time | | 1–99 min, ∞ continuous run, short cycle mode (impulse key) | |
| Dimensions (HxWxD) | | 228x261x353 mm | 228x261x353 mm |
| Weight | | approx. 11 kg | approx. 11 kg |
| **Cat. No.** | | **1203** | **1203-01** |

*) Other voltages on request.

Hettich centrifuges comply with all relevant EU standards in effect and conform to the European level of quality and safety for medical devices. Evidence is provided by national and international test marks such as IEC 61010 or the CE conformity. The ISO 9001, ISO 13485 and ISO 14001 certificates accredited to the company bear witness to the extreme care and responsibility Hettich puts into the manufacturing of centrifuges and their accessories.

Our certification as an “Authorised Economic Operator” enables accelerated customs clearance.

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