



It's Your Turn

Eppendorf Centrifuge 5702, 5702 R, and 5702 RH



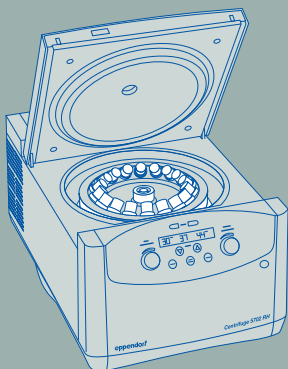
The Eppendorf approach to product development is – and has always been – about giving you more. More quality, more innovation. All of our centrifuges personalize this philosophy. They all go beyond speed and capacity to offer you unparalleled ergonomic operation, superior temperature control, and outstanding product quality.

»Eppendorf Centrifuges – The Benchmark in Ergonomic Operation.«

The Centrifuge 5702 family was specifically developed for low to medium throughput applications with low speed requirements.

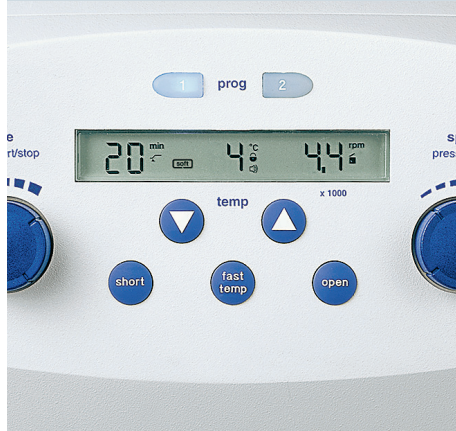
Ergonomics

- > Very compact footprint to fit on every lab bench
- > Very quiet operation to benefit your environment
- > Low access height for simple loading and unloading of samples



Temperature management

- > Optimized air flow minimizes sample warming during run (5702)
- > FastTemp function for fast precooling (5702 R/RH)
- > ECO shut-off engages after 8 hours of nonuse to reduce energy consumption and extend compressor life (5702 R/RH)



Quality and safety

- > Stainless steel rotor chamber is rust-free and easy to clean
- > Imbalance detection for maximum safety
- > Key lock to prevent accidental parameter changes
- > Aerosol-tight caps for safe centrifugation of hazardous samples optionally available



Product Benefits



Ergonomic lid operation

- > Soft-touch lid closure and low opening height for stress-free lid locking

Optimized cooling performance

- > Dynamic compressor control with ECO shut-off function (refrigerated models only)

Quiet operation

- > All models are designed to operate at low noise levels for a relaxing work environment

Low access height

- > Easy loading/unloading of samples

The Centrifuge 5702/5702 R/5702 RH is a non-automatic centrifuge for the separation of liquid substance mixtures from the human body and is specifically intended to be used as an accessory together with an in vitro diagnostic device and to enable its use according to its intended purpose. For in vitro diagnostic use. Eppendorf centrifuges are exclusively intended for indoor use by trained specialists.

The right model for your application:

- > Centrifuge 5702 for standard applications
- > Refrigerated Centrifuge 5702 R for heat sensitive samples
- > Active heating guarantees high temperature accuracy during the entire centrifugation cycle (only 5702 RH)

Product features

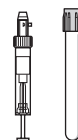
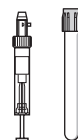
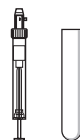
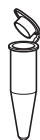
- > Max. speed: 3,000 × *g* (4,400 rpm)
- > Very compact footprint to fit on every lab bench
- > Very quiet operation to benefit your environment
- > Low access height for simple loading and unloading of samples
- > SOFT brake function for slow acceleration and braking. Optimized for cell separation by gradient centrifugation
- > »At set RPM« function starts the timer when the selected rotational speed is reached for reproducible centrifugation runs
- > Key lock to prevent unintentional adjustments
- > Electronic imbalance detection for maximum safety






Special features for Centrifuge 5702 R and Centrifuge 5702 RH

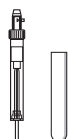
- > Temperature settings from –9 °C to 40 °C (5702 R) / 42 °C (5702 RH)
- > FastTemp function for fast precooling
- > Continuous cooling maintains a constant temperature after the run has been completed – your samples stay cool
- > ECO shut-off engages after 8 hours of nonuse to reduce energy consumption and extend compressor life
- > Two program keys to store routine procedures
- > Active heating guarantees high temperature accuracy during the entire centrifugation cycle (only 5702 RH)

Swing-Bucket Rotor A-4-38

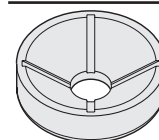
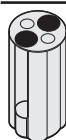
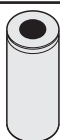
Rotor A-4-38 with round buckets



| | | | | | |
|---|---|---|---|---|---|
| Volume (mL) | 1.5–2.0 | 1.1–1.4 | 2–7 | 2.6–7 | 4–10 |
| Max. tube diameter | 11 mm | 8.5 mm | 12.5 mm | 13.5 mm | 16 mm |
| Max. vessel height | 43 mm | 100 mm | 100 mm | 100 mm | 100 mm |
| Max. vessel height for use with cap¹⁾ | 43 mm | 100 mm | 100 mm | 100 mm | 100 mm |
| Adapter |  |  |  |  |  |
| Number of vessels per adapter/rotor | 4/16 | 5/20 | 5/20 | 4/16 | 4/16 |
| Bottom shape | round | flat | flat | flat | flat |
| Centrifugation radius | 134 mm | 132 mm | 132 mm | 132 mm | 132 mm |
| Max. RCF | 2,900 × <i>g</i> | 2,850 × <i>g</i> | 2,850 × <i>g</i> | 2,850 × <i>g</i> | 2,850 × <i>g</i> |
| Order no. (set of 2) | 022 639 277 | 022 639 285 | 022 639 102 | 022 639 242 | 022 639 269 |



| | | | | | | |
|--------------------------------|---------|---------------|---------------|--------|---------------|----------------------|
| Eppendorf Tubes® 5.0 mL | 9–15 | 15 mL conical | 15 mL conical | 25 | 50 mL conical | 85–100 ²⁾ |
| – | 17.5 mm | 17.2 mm | 17.2 mm | 25 mm | 30 mm | 38 mm |
| 60 mm | 100 mm | 121 mm | 121 mm | 100 mm | 115 mm | 106 mm |
| 60 mm | 100 mm | 120 mm | – | 100 mm | 115 mm | 106 mm |

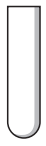







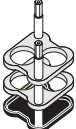
| | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1/4 | 4/16 | 1/4 | 2/8 | 1/4 | 1/4 | 1/4 |
| flat | round | conical | conical | round | conical | round |
| 136 mm | 130 mm | 137 mm | 137 mm | 135 mm | 135 mm | 135 mm |
| 2,943 × <i>g</i> | 2,800 × <i>g</i> | 3,000 × <i>g</i> | 3,000 × <i>g</i> | 2,900 × <i>g</i> | 2,900 × <i>g</i> | 2,900 × <i>g</i> |
| 5702 733 008 | 022 639 129 | 022 639 188 | 022 639 200 | 022 639 145 | 022 639 226 | 022 639 161 |

¹⁾ Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

²⁾ Nominal tube volume as published by tube manufacturers.

Rotor A-4-38 with rectangular buckets



| | | | | | | |
|--|---|---|---|--|---|---|
| Volume (mL) | 2–7 | 5–7 | 9 | 15 | 20 | 25 |
| Max. tube diameter | 12 mm | 13 mm | 14.5 mm | 17.5 mm | 22 mm | 25 mm |
| Adapter |  |  |  |  |  |  |
| Number of vessels per adapter/rotor | 9/36 | 10/40 | 8/32 | 6/24 | 4/16 | 2/8 |
| Bottom shape | round | flat | flat | flat | flat | flat |
| Centrifugation radius | 119 mm | 127 mm | 127 mm | 127 mm | 127 mm | 127 mm |
| Max. RCF | 2,577 × <i>g</i> | 2,750 × <i>g</i> | 2,750 × <i>g</i> | 2,750 × <i>g</i> | 2,750 × <i>g</i> | 2,750 × <i>g</i> |
| Order no. (set of 2) | 5702 763 004 | 022 639 323 | 022 639 340 | 022 639 366 | 022 639 382 | 022 639 391 |

Rotor A-4-38 with round buckets

- > Maximum speed: 3,000 × *g* (4,400 rpm)
- > Standard rotor for centrifugation of blood collection tubes or 15/50 mL conical tubes
- > Round buckets for vessels with 1.5–100 mL
- > Aerosol-tight caps for safe centrifugation of hazardous samples optionally available

Ordering information

| Description | Order no |
|---|-------------|
| Rotor A-4-38 , without buckets | 022 639 064 |
| incl 4 round buckets 100 mL | 022 639 048 |
| Round bucket 100 mL , for Rotor A-4-38, set of 4 | 022 639 081 |
| Aerosol-tight caps for 100 mL round buckets , set of 2 | 022 639 293 |

Rotor A-4-38 with rectangular buckets

- > Maximum speed: 2,750 × *g* (4,400 rpm)
- > Rectangular buckets for vessels with 5–25 mL

Ordering information

| Description | Order no |
|---|-------------|
| Rotor A-4-38 , without buckets | 022 639 064 |
| Rectangular bucket 90 mL , for Rotor A-4-38, set of 4 | 022 639 307 |
| Rotor A-4-38 , with rectangular bucket 90 mL, set of 4 | 022 639 304 |


Rotor A-8-17 (022 639 501)

- > Maximum speed: $2,800 \times g$ (4,400 rpm)
- > Low capacity rotor for centrifugation of 15 mL conical tubes or 15 mL glass tubes
- > Adapters for 15 mL conical tubes (5702 702.005, set of 8) and rubber mat inserts (5702 701.009, set of 8) for glass tubes optionally available


Rotor F-45-24-11 (022 639 471)

- > Maximum speed: $1,770 \times g$ (4,400 rpm)
- > Fixed-angle rotor for $24 \times 1.5/2.0$ mL tubes
- > Quiet centrifugation even without rotor lid
- > Adapters optionally available for:
 - 0.2 mL PCR tubes (5425 715.005)
 - 0.4 mL centrifuge tubes (5425 717.008)
 - 0.5 mL micro test tubes and Microtainer® tubes (5425 716.001)
- > Rotor and adapters are autoclavable (121 °C, 20 min)


Rotor F-35-30-17

- > Maximum speed: $2,750 \times g$ (4,400 rpm)
- > High capacity rotor for 20×15 mL conical tubes or 30×15 mL glass tubes
- > Inserts for 15 mL conical tubes and rubber mats for use with glass tubes are included
- > Available with 30 sleeves for 15 mL tubes, with 20 conical adapters and 30 rubber mats (022 639 404) or with 10 steel sleeves for 15 mL conical tubes, incl. 10 conical adapters and 10 rubber mats (022 639 421)


Rotor F-45-18-17-Cryo (022 639 480)

- > Maximum speed: $1,840 \times g$ (4,400 rpm)
- > Quiet centrifugation even without rotor lid
- > Centrifugation of 1–2 mL Cryotube® (max. 13 mm Ø, use with adapter) and tubes with screw cap (max. 17 mm Ø, no adapter required)
- > Rotor and adapters are autoclavable (121 °C, 20 min)

Technical specifications

| Model | Centrifuge 5702 | Centrifuge 5702 R | Centrifuge 5702 RH |
|------------------------|---|---|---|
| Max. RCF | 3,000 × <i>g</i> | 3,000 × <i>g</i> | 3,000 × <i>g</i> |
| Speed | 100–4,400 rpm (100 rpm increments) | 100–4,400 rpm (100 rpm increments) | 100–4,400 rpm (100 rpm increments) |
| Max. capacity | 4 × 100 mL | 4 × 100 mL | 4 × 100 mL |
| Rotors available | 6 | 6 | 6 |
| Acceleration time | 25 s | 25 s | 25 s |
| Deceleration time | 25 s | 25 s | 25 s |
| SOFT brake function | yes | yes | yes |
| Timer | 0–99 min, with continuous run function | 0–99 min, with continuous run function | 0–99 min, with continuous run function |
| Temperature settings | – | –9 °C to 40 °C | –9 °C to 42 °C |
| Noise level | <51 dB(A) with Rotor A-4-38 | <45 dB(A) with Rotor A-4-38 | <45 dB(A) with Rotor A-4-38 |
| Max. power consumption | 200 W | 380 W | 380 W |
| Dimensions (W × D × H) | 12.5 × 15.7 × 9.4 in | 14.9 × 22.8 × 10.2 in | 14.9 × 22.8 × 10.2 in |
| Height (with open lid) | 20.8 in | 23.6 in | 23.6 in |
| Weight without rotor | 44 lbs | 79.3 lbs | 79.3 lbs |

Ordering information

| Description | Order no. |
|---|-------------|
| Centrifuge 5702, without rotor, 120 V/50–60 Hz | 022 626 001 |
| Centrifuge 5702, with Rotor A-4-38 incl. adapters for 15/50 mL conical tubes, 120 V/50–60 Hz | 022 629 883 |
| Centrifuge 5702 R, refrigerated, without rotor, 120 V/50–60 Hz | 022 626 205 |
| Centrifuge 5702 R, refrigerated, with Rotor A-4-38 incl. adapters for 15/50 mL conical tubes, 120 V/50–60 Hz | 022 629 905 |
| Centrifuge 5702 R, refrigerated, with Rotor A-4-38 incl. adapters for 13/16 mm blood collection tubes, 120 V/50–60 Hz | 022 628 012 |
| Centrifuge 5702 RH, refrigerated/heated, without rotor, 120 V/50–60 Hz | 022 626 213 |

For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.com/centrifuge-5702



<https://eppendorf.group/iwwkky>

Centrifuge Family Overview

Microcentrifuges

| | | | | | | | | | |
|--------------------|---------------------------------------|----------------|--------------------------|--|--|--------|---|---|--------|
| | | | | | | | | | |
| Centrifuge | MiniSpin® | MiniSpin® plus | 5418 R | 5420 | 5425 | 5425 R | 5427 R | 5430 | 5430 R |
| Description | Space saving 12-place mini-centrifuge | | 18-place microcentrifuge | Air-cooled 24-place microcentrifuge for basic molecular biology applications | Whisper quiet 24-place standard microcentrifuge with outstanding feature set for broad range of applications, refrigerated for temperature sensitive samples or non-refrigerated | | High-throughput refrigerated 48-place microcentrifuge | Crossover microcentrifuge with multipurpose versatility | |

Multipurpose Centrifuges

| | | | | | | | | | |
|--------------------|--|---------|----------|---|--------|--|--------|--|---|
| | | | | | | | | | |
| Centrifuge | 5702* | 5702 R* | 5702 RH* | 5804 | 5804 R | 5810 | 5810 R | 5910 Ri | 5920 R |
| Description | Low speed multipurpose centrifuge with medium capacity for clinical research and cell culture labs | | | High speed multipurpose centrifuge with medium capacity | | Compact multipurpose centrifuge with medium capacity | | Super versatile multipurpose centrifuge with an intuitive touch screen user interface and high capacity for a broad range of consumables, refrigerated for temperature sensitive samples | High-throughput multipurpose centrifuge with very high capacity |

*Centrifuge 5702/R/RH: For in-vitro diagnostic use. All other centrifuges listed on this page are for research use only.

High-Speed Centrifuges

| | | | | | |
|--------------------|--|--|--|--|---|
| | | | | | |
| Centrifuge | CR22N | CR30NX | CP100NX; CP90NX; CP80NX | CS150FNX | CS150NX |
| Description | High-speed floorstanding centrifuge with high capacity, ideal for harvesting of biomass in up to 6 L per run. Refrigerated for temperature sensitive samples | 2-in-1 high-speed floorstanding centrifuge with vacuum function, suitable for applications with super-speed requirements up to 110,000 x g. Refrigerated for temperature sensitive samples | Ultracentrifuge with a broad rotor and consumable portfolio. Three versions with shared functionality but different speed offerings are available to match your speed requirements | Floorstanding Micro-ultracentrifuge with speeds of up to 1,050,000 x g in a very compact design for labs with limited space availability | Benchtop Micro-ultracentrifuge with speeds of up to 1,050,000 x g, offering a flexible placement within the lab due the standard electricity requirements |

Technical specifications subject to change. Errors and omissions excepted.

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www.eppendorf.com/centrifugation

For ordering information, please check our local website or contact your local sales representative.

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