



Helmer Scientific

Centrifuge Solutions from Hettich

Product Guide
Clinical and Research

TrueBlue™

Helping you provide the highest
standard of patient care

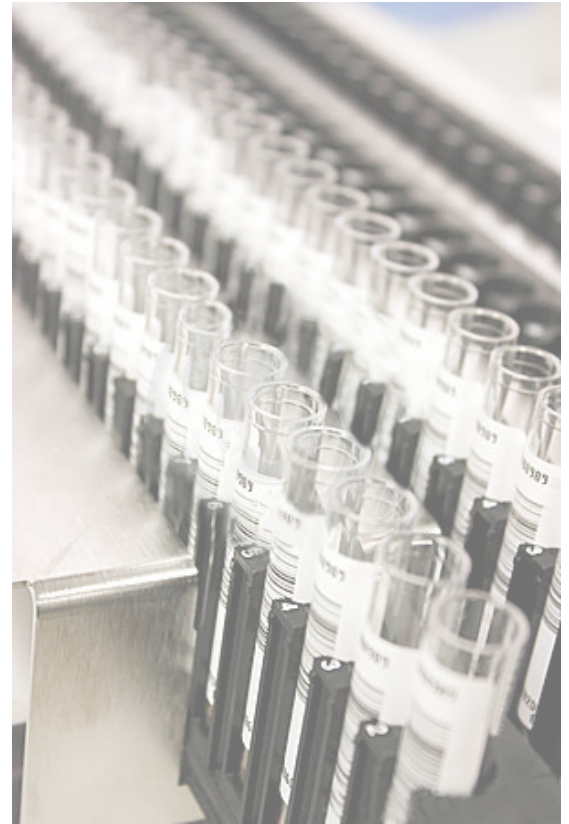


Hettich Centrifuges from Helmer Scientific

Helmer Scientific offers a full line of clinical centrifuges from Hettich. Known for their reliable functionality and ease of use, Hettich centrifuges feature the most modern technology and provide high-quality precision for centrifugation. Centrifuges and accessories are developed in collaboration with users from many disciplines, and they are always adapted to the latest requirements.

More than 110 Years of Quality, Safety & Reliability

Founded in 1904, Hettich Lab Technology has worked with scientists to deliver equipment that meets the demands of the modern laboratory. Over 110 years of experience in the laboratory market is used to engineer application-specific and general-purpose products that improve workflows and provide the best user experience.



Quality

Hettich centrifuges and accessories are developed according to quality management systems ISO 9001, ISO 14001, and ISO 13485, which responds to the needs of lab managers. Hettich equipment is manufactured in accordance with all relevant regulations including CE and IEC 61010-2-020. Hettich is a FDA-registered manufacturer.

Safety

Hettich supports its centrifuges with all metal containment and the Hettich Safety-Lock system to provide the greatest safety in the laboratory. Hettich adheres to strict manufacturing quality standards and keeps certifications current and active.

Complete Line of Centrifugation Products

Hettich manufactures a complete centrifuge product line ranging from compact tabletop models to high-capacity floor-standing centrifuges. Models are available for clinical, research, and specialty applications. Helmer Scientific offers the following models:

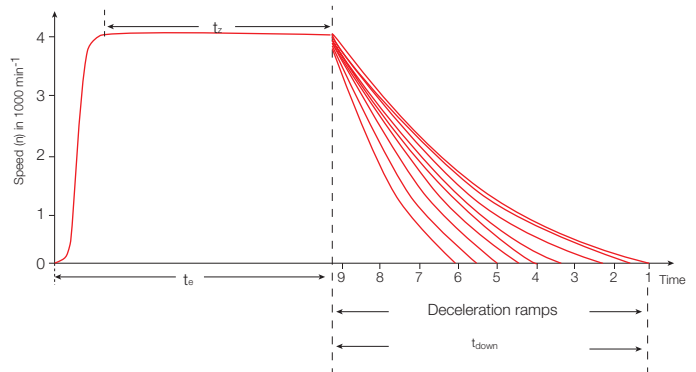
- Compact tabletop centrifuges
- Medium to high-capacity benchtop models
- Wide variety of centrifugation accessories



Best-in-class Separation Results

The braking characteristics of the rotor have a decisive influence on the quality of separation achieved, especially at low centrifugation speeds.

The regular R-ramps brake the rotor uniformly over the entire slowdown time. Loosely packed sediment may be resuspended during this critical run-down phase. In addition, the B-ramps brake the rotor rapidly at first then slowly so that it gently comes to a standstill.



B-ramps enable the buckets to return to a vertical position gently and without vibration before coming to a stop.



Hettich Design Features

Hettich manufactures a complete centrifuge product line ranging from compact tabletop models to high-capacity floor-standing centrifuges. Models are available for clinical, research, and specialty applications. All models feature the same distinctive design including:

Functional Design

Easy-lift Lid, with lid-drop protection, is ergonomically designed to limit repetitive stress injuries, spillage and accidental sample disruption when loading and unloading your centrifuge.

Quiet Operation

Centrifuges are as quiet as a normal conversation and will not increase noise levels within your lab.

Enhanced Safety

Hettich self-closing, auto-locking, Safety-Lock ensures a safe, tight closure of the all metal centrifuge chamber during operation.

Programmability

Simple, clear control panels allow for easy input. Pre-programmed application settings provide quick parameter recall, ensuring repeatability.

Helmer Scientific Service & Support

Warranty

5 years powertrain, 2 years parts and labor at Helmer Scientific

Technical Support

The Helmer Scientific service team is made up of highly trained technicians who will provide full technical support for your Hettich Centrifuge.

Clinical Centrifuges


ROTANTA 460 BENCHTOP CENTRIFUGE


The Rotanta 460 provides enhanced performance in a benchtop centrifuge and offers fast, trouble-free operation for daily laboratory use. It offers a maximum capacity of 3 L or 196 blood tubes. A large range of accessories are available to accommodate a variety of specialty applications. Safety features include Safety-Lock and all-metal containment. The Rotanta 460 provides high throughput results for blood, cell/tissue culture, plates or bottle applications.


Refrigerated and non-refrigerated models available.



MAX Capacity	4x750 mL
MAX RPM/RCF	15,000/24,400
TEMP Control	from -20 to +40°C (460R)
DIMS (hxxwxd)	18" X 21.8" X 28.1" (460) 17.9" X 30.3" X 28.1" (460R)

Blood Bag Package - 4			
	Bag Qty	Size	RPM/RCF
	4	450 mL	4,600/ 4,637

Blood Tube Package - 4 with Biocontainment Lids			
	Tube Qty	Size	RPM/RCF
	84	13 x 75/100	4,600/ 4,471
	76	16 x 75/100	4,600/ 4,637

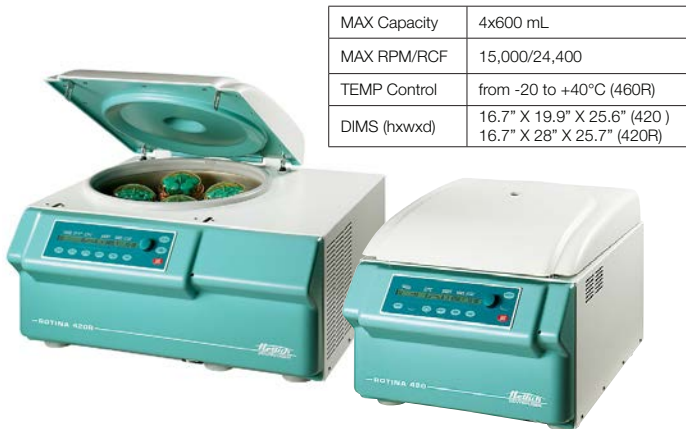
Blood Tube Package - High Capacity			
	Tube Qty	Size	RPM/RCF
	196	13 x 75/100	3,800/ 2,906
	148	16 x 75/100	3,800/ 2,970

Additional packages available, please view www.helmerinc.com/products/rotanta-460-460r-centrifuge for a complete listing of packages
Refrigerated options and bio-containment options available


ROTINA 420 BENCHTOP CENTRIFUGE


The Rotina 420 is a high performance benchtop centrifuge for large volumes. It is a compact 2 L centrifuge and is perfect for high sample throughput and high sample volumes. Safety features include Easy-Lift/ Safety-Lock and all-metal containment. The Rotina 420 provides high throughput results for blood, cell/tissue culture, plates or bottle applications.

Refrigerated and non-refrigerated models available.



MAX Capacity	4x600 mL
MAX RPM/RCF	15,000/24,400
TEMP Control	from -20 to +40°C (460R)
DIMS (hxxwxd)	16.7" X 19.9" X 25.6" (420) 16.7" X 28" X 25.7" (420R)

Blood Tube Package - 4 with Biocontainment Lids			
	Tube Qty	Size	RPM/RCF
	104	13 x 75/100	4,800/ 4,585
	72	16 x 75/100	4,800/ 4,585

Blood Tube Package - 2 with Biocontainment Lids			
	Tube Qty	Size	RPM/RCF
	52	13 x 75/100	4,800/ 4,585
	36	16 x 75/100	4,800/ 4,585

Additional packages available, please view www.helmerinc.com/products/rotina-420-420r-centrifuge for a complete listing of packages
Refrigerated options and bio-containment options available

ROTINA 380 BENCHTOP CENTRIFUGE

The Rotina 380 is a high-capacity, general purpose benchtop centrifuge and offers versatility in a small footprint. It has a maximum spin capacity of 64 blood tubes with a robust temperature control system. The Rotina 380 provides strong, long-lasting results and is an invaluable addition to the lab. Safety features include Easy-Lift/Safety-Lock and all-metal containment. The Rotina 380 provides consistent, reproducible results for blood, urine, cell/tissue culture, plates or bottle applications.

Refrigerated and non-refrigerated models available.

MAX Capacity	4x290 mL
MAX RPM/RCF	15,000/24,400
TEMP Control	from -20 to +40°C (380R)
DIMS (hxwxh)	16.5" X 18" X 23.6" (380) 16.5" X 18" X 29.5" (380R)



Blood Tube Package - 4			
	Tube Qty	Size	RPM/RCF
	64	13 x 75/100	5,000/ 4,668
	52	16 x 75/100	5,000/ 4,668

Blood Tube Package - 2			
	Tube Qty	Size	RPM/RCF
	32	13 x 75/100	5,000/ 4,668
	26	16 x 75/100	5,000/ 4,668

Additional packages available, please view www.helmerinc.com/products/rotina-380-380r-centrifuge for a complete listing of packages

Refrigerated options and bio-containment options available

UNIVERSAL 320 BENCHTOP CENTRIFUGE

The Universal 320 benchtop centrifuge offers a true workflow benefit due to its vast capabilities and mid-size in a general-purpose centrifuge. It will save space on your lab bench and support a variety of accessories. Safety features include Easy-Lift/Safety-Lock and all-metal containment. The Universal 320 provides consistent, accurate results for blood, urine, cell/tissue culture, plates or cytology applications.

Refrigerated and non-refrigerated models available.

MAX Capacity	4x200 mL
MAX RPM/RCF	15,000/21,382
TEMP Control	from -20 to +40°C (320R)
DIMS (hxwxh)	13.6" X 15.6" X 20.5" (320) 13.6" X 15.8" X 27.4" (320R)



Blood Tube Package			
	Tube Qty	Size	RPM/RCF
	28	13 x 75/100	5000/ 3,913
	28	16 x 75/100	5000/ 3,913

Blood Tube Package - 4 with Biocontainment Lids			
	Tube Qty	Size	RPM/RCF
	28	13 x 75/100	4,500/ 3,215
	20	16 x 75/100	4,500/ 3,215

Urinalysis Package			
	Tube Qty	Size	RPM/RCF
	12	12 (KOVA) 17 x 120	4,000/ 2,451

Cytology Package - 12			
	Tube Qty	Size	RPM/RCF
	12	0.4 - 6 mL	2,000/ 438

Additional packages available, please view www.helmerinc.com/products/universal-320-320r-centrifuge for a complete listing of packages


Refrigerated options and bio-containment options available


ROTOFIX 32A BENCHTOP CENTRIFUGE


The Rotofix 32A is a general purpose benchtop centrifuge perfect for routine laboratory tasks. It offers a maximum spin capacity of 20 blood tubes. A wide selection of swing-out and fixed angle rotors are available, as well as a cytology system. Safety features include Easy-Lift/ Safety-Lock and all-metal containment. The Rotofix 32A provides consistent, long-lasting results with each spin for blood, urine, cell/tissue culture, or cytology applications.



MAX Capacity	4x100 mL/6x86mL
MAX RPM/RCF	6,000/4,226
DIMS (hxwxcd)	10.1" X 14.4" X 16.9"

Blood Tube Package			
	Tube Qty	Size	RPM/RCF
	20	13 x 75/100	4,000/ 2,558
	16	16 x 75/100	4,000/ 2,522

Urinalysis Package			
	Tube Qty	Size	RPM/RCF
	12	12 (KOVA) 17x120	4,000/ 2,451

Cytology Package - 12			
	Tube Qty	Size	RPM/RCF
	12	0.4 - 6 mL	2,000/ 438

Additional packages available, please view www.helmerinc.com/products/rotofix-32a-centrifuge for a complete listing of packages

Bio-containment options available


EBA 280 TABLETOP CENTRIFUGE


The EBA 280 is a compact and powerful clinical tabletop centrifuge with a 90° swing-out rotor for flat separation of all standard blood, pediatric, and urine tubes. It offers versatility, convenience and safety within a compact frame and achieves consistent platelet counts in minutes at up to 5,000 RCF. The EBA 280 rotors feature the Hettich Quick-Lift rotor system for easy installation and added safety. A programmable Memory Control System completes this centrifuge perfect for serology, blood, urinalysis, and pediatric testing.





The high-performance version, EBA 280S, delivers flat separation STAT, coag and ppp in minutes.

MAX Capacity	6x50 mL
MAX RPM/RCF	6,000/5,071
DIMS (hxwxcd)	9.5" X 12.8" X 15.75"

Blood Tube Package - 6			
	Tube Qty	Size	RPM/RCF
	6	13 x 75	≤6,000/ 4,266
	6	13 x 100	≤6,000/ 5,071
	6	16 x 75	≤6,000/ 4,699
6	16 x 100	≤6,000/ 5,071	

Blood Tube Package - 12			
	Tube Qty	Size	RPM/RCF
	12	1.6-5	≤6,000/ 3,300
	12	4-7	≤6,000/ 4,146
12	4-10	≤6,000/ 4,146	

Serology Package - 12			
	Tube Qty	Size	RPM/RCF
	12	10/12/13 x 75	≤5,000/ 2,963

Serology Decanting Package - 12			
	Tube Qty	Size	RPM/RCF
	12	12 x 75/100	≤5,000/ 2,879
12	10 x 75	≤5,000/ 2,879	


Additional packages available, please view www.helmerinc.com/products/eba-280-280s-centrifuge for a complete listing of packages

EBA 270 TABLETOP CENTRIFUGE

The EBA 270 is a compact clinical tabletop centrifuge ideal for physicians offices. It includes a built-in, 6-place 90° horizontal rotor for the flat separation of all standard blood, gel, urine, and pediatric tubes and a pulse key for short centrifugation. Safety features include Safety-Lock and all-metal containment.



MAX Capacity	6x15mL
MAX RPM/RCF	4,000/2,254
DIMS (hxwx d)	9.4" X 12.8" X 15.3"

Complete Package			
	Tube Qty	Size	RPM/RCF
	6	13 x 75/100	≤4,000/ 1,807
	6	16 x 75/100	≤4,000/ 2,254
	6	10.7 x 36	≤4,000/ 1,359
	6	17 x 102	≤4,000/ 2,254

Additional packages available, please view www.helmerinc.com/products/eba270-centrifuge for a complete listing of packages

EBA 200 TABLETOP CENTRIFUGE

The EBA 200 is a high-performance tabletop centrifuge with a built-in 8-place angle rotor. It offers convenient, simple and safe operation in a sleek, compact frame. The EBA 200 can spin up to 8 blood tubes (13 and 16 mm) and is ideal for blood, urine and pediatric small-batch applications.




A high-performance version, EBA 200S, is STAT capable and will achieve ppp in minutes.

MAX Capacity	8x15mL
MAX RPM/RCF	8,000/6,153
DIMS (hxwx d)	9.0" X 10.3" X 13.9"

200 S Blood Pkg - 8		200 Blood Pkg - 8	
Tube Qty / Size	RPM/RCF	Tube Qty / Size	RPM/RCF
8 / 13 x 75	≤8,000/ 4,794	8 / 13 x 75	≤6,000/ 2,697
8 / 13 x 100	≤8,000/ 6,153	8 / 13 x 100	≤6,000/ 3,461
8 / 16 x 100	≤8,000/ 6,153	8 / 16 x 100	≤6,000/ 3,461
4 / 16 x 125	≤8,000/ 6,153	4 / 16 x 125	≤6,000/ 3,461

200 S Pediatric Pkg - 8		200 Pediatric Pkg - 8	
Tube Qty / Size	RPM/RCF	Tube Qty / Size	RPM/RCF
8 / 10.7 x 36	≤6,000/ 2,214	8 / 10.7 x 36	≤6,000/ 2,214

200 Urinalysis Package - 4			
	Tube Qty	Size	RPM/RCF
	4	12 (KOVA)	≤6,000/ 3,461
	4	15 (Conical)	≤6,000/ 3,461


Additional packages available, please view www.helmerinc.com/products/eba200-centrifuge for a complete listing of packages


HAEMATOKRIT 200 TABLETOP CENTRIFUGE

The Haematokrit 200 delivers high-performance centrifugation for up to 24 capillaries or 20 capillaries for buffy coat analysis in a compact frame with convenient ergonomics and versatility. The rotor lid features a lid that doubles as an evaluation disc for quick and easy analysis. The Haematokrit 200 achieves maximum cell packing density in seven minutes and is ideal for hematology, sports medicine, and neonatology.



MAX Capacity	24 capillaries
MAX RPM/RCF	13,000/16,060
DIMS (hxwx d)	9.0" X 10.3" X 13.9"

Haematokrit Package - 24			
	Tube Qty	Size	RPM/RCF
	24	Capillaries	13,000/ 16,060

Haematokrit Buffy Coat Package - 20			
	Tube Qty	Size	RPM/RCF
	20	Capillaries	13,000/ 16,060

Additional packages available, please view www.helmerinc.com/products/haematokrit-centrifuge for a complete listing of packages

Microliter Centrifuges

MIKRO 220 TABLETOP CENTRIFUGE

The MIKRO 220 centrifuges are general purpose microliter centrifuge ideal for PCR, DNA & RNA. In addition, the Mikro 220 also accepts standard tubes up to 50 mL. The robust and steady temperature control system with pre-cool function makes this perfect for temperature sensitive samples. Safety features include Safety-Lock and all-metal containment.

Refrigerated and non-refrigerated models available.



MAX Capacity	48x1.5/2.0mL/6x50mL
MAX RPM/RCF	18,000/31,514
TEMP Control	from -20 to +40°C (220R)
DIMS (hxwxh)	12.3" X 13" X 16.5" (220) 12.3"x13"x25.5" (220R)

Microliter Tube Package - 24 - BC			
	Tube Qty	Size	RPM/RCF
	24	1.5 - 2.0 mL	≤18,000/ 31,514

Microliter Tube Package - 30 - BC			
	Tube Qty	Size	RPM/RCF
	30	1.5 - 2.0 mL	≤14,000/ 21,255

Microliter Tube Package - 48 - BC			
	Tube Qty	Size	RPM/RCF
	48	1.5 - 2.0 mL	≤21,255/ 18,845

Microliter Tube Package - 90 - BC			
	Tube Qty	Size	RPM/RCF
	24	1.5 - 2.0 mL	13,000/ 18,516

Additional packages available, please view www.helmerinc.com/products/mikro220-centrifuge for a complete listing of packages
Refrigerated options available

MIKRO 200 TABLETOP CENTRIFUGE

The MIKRO 200 is the ideal tabletop research centrifuge for PCR, DNA & RNA. The temperature controlled model, Mikro 200R, refrigerates quickly down to +4°C in 10 to 15 minutes, a must for the fast-paced laboratory. Features Safety-Lock and all-metal containment.

Refrigerated and non-refrigerated models available.



MAX Capacity	30x1.5/2.0mL
MAX RPM/RCF	15,000/21,382
TEMP Control	from -10 to +40°C (200R)
DIMS (hxwxh)	10.2" X 10.8" X 13.5" (200) 10.2"x11"x21.8" (200R)

Microliter Tube Package - 24			
	Tube Qty	Size	RPM/RCF
	24	11 x 38	≤15,000/ 21,382

Microliter Tube Package - 30			
	Tube Qty	Size	RPM/RCF
	30	11 x 38	≤15,000/ 20,627

Pediatric Tube Package - Strip			
	Tube Qty	Size	RPM/RCF
	4	PCR Strip (8)	≤15,000/ 14,338

Additional packages available, please view www.helmerinc.com/products/mikro200-centrifuge for a complete listing of packages
Refrigerated options and bio-containment options available

MIKRO 185 TABLETOP CENTRIFUGE

The MIKRO 185 is a high-performance tabletop research centrifuge offering versatile solutions and improved safety in a compact frame. Multiple rotors are available that support a variety of tube sizes and capacities meeting the diverse requirements of research laboratories. Angle rotors in 12, 18, and 24 places fit both pediatric tubes and standard microliter tubes, with an 18-place rotor for spin columns. Safety features include Safety-Lock and all-metal containment.



MAX Capacity	24x1.5/2.0mL
MAX RPM/RCF	13,300/17,008
DIMS (hxwxh)	9.0" X 10.3" X 13.9"

Microliter Tube Package - 12			
	Tube Qty	Size	RPM/RCF
	12	11 x 38	≤13,300/ 14,041

Microliter Tube Package - 24			
	Tube Qty	Size	RPM/RCF
	24	11 x 38	≤13,300/ 17,008

Pediatric Tube Package - 12			
	Tube Qty	Size	RPM/RCF
	12	10.7 x 36	≤5,000/ 2,879
	12	10 x 75	≤5,000/ 2,879

Additional packages available, please view www.helmerinc.com/products/mikro185-centrifuge for a complete listing of packages
Bio-containment options available