

UNIVERSAL 320 | R

BLOOD / CELL CULTURE / URINE / CYTOLOGY / PLATES

Maximum versatility in a compact footprint. The UNIVERSAL 320 occupies minimal bench space at a width of only 395 mm (15.5 inches), with or without temperature control. Capable of spinning a variety of standard tubes, plates, cytology clips and bottles (up to 200 ml), the UNIVERSAL 320 centrifuge offers true all-in-one capability.

UNIVERSAL solution for your dynamic laboratory. Given its vast capability, the UNIVERSAL 320 provides flexible solutions for dynamic workflows. Multiple UNIVERSAL 320's offer increased productivity and multi-batch processing with a comparative footprint and cost of one large benchtop.

Eliminate the need to purchase an expensive dedicated cyto centrifuge. The UNIVERSAL 320 performs multiple applications including cytology, in the same centrifuge, saving you money and bench space. Hettich's 12-place Clip Rotor is capable of spinning 0.2 to 6 ml single, double or large funnel formats with optional bio-containment, eliminating the need to purchase an expensive dedicated cyto centrifuge. Learn more about the Hettich Cyto-System for complete cytology solutions.




MODEL	UNIVERSAL 320	UNIVERSAL 320 R
Max. Capacity	4 x 200 ml, 6 x 94 ml	4 x 200 ml, 6 x 94 ml
Max. RPM / RCF	15,000 / 21,382	15,000 / 21,382
Max. Blood Tubes*	40 (13 x 75) [†] , 28 (16 x 75/100), 16 (16 x 125)	40 (13 x 75) [†] , 28 (16 x 75/100), 16 (16 x 125)
Max. Conical Tubes*	16 (15 ml), 8 (50 ml)	16 (15 ml), 8 (50 ml)
Temperature Control	Ambient	-20 °C to +40 °C
Dims (H x W x D)	14 x 16 x 20.5 in.	14 x 16 x 27 in.
Warranty [†]	5 yr	5 yr

*Please inquire about the fit of your specific tube dimensions. † Warranty valid in U.S. and Canada only, see warranty statement for complete details.


[Click here to learn more.](#)

UNIVERSAL 320 | R CENTRIFUGE PACKAGES


UNIVERSAL 320 CONICAL TUBE PACKAGE - 5 mL - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	16	5 Conical	17 x 59	≤ 4,500	≤ 3,328
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 5 mL conical, (4) Bio-containment Lids					


UNIVERSAL 320 BLOOD TUBE PACKAGE

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	28	1.6 - 7	13 x 75/100	≤ 5,000	≤ 3,913
	28	4 - 10	16 x 75/100	≤ 5,000	≤ 3,913
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 13 x 75/100 mm, (4) Adapters 16 x 75/100 mm					


UNIVERSAL 320 BLOOD TUBE PACKAGE - 4 - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	28	1.6 - 5	13 x 75/100	≤ 4,500	≤ 3,215
	20	4 - 10	16 x 75/100	≤ 4,500	≤ 3,215
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 13 x 75/100 mm, (4) Adapters 16 x 75/100, (4) Bio-lids					


UNIVERSAL 320 URINALYSIS PACKAGE

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	12	12 KOVA	17 x 102	≤ 4,500	≤ 3,102
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters KOVA					


UNIVERSAL 320 CELL CULTURE PACKAGE - 4

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	16	15 Conical	17 x 120	≤ 4,500	≤ 3,305
	4	50 Conical	29 x 115	≤ 4,500	≤ 3,260
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 15 mL, (4) Adapters 50 mL					


UNIVERSAL 320 CELL CULTURE PACKAGE - 4 - BIO-CONTAINMENT

	Tube Qty	Volume (mL)	Size (mm)	RPM	RCF
	8	15 Conical	17 x 120	≤ 4,500	≤ 3,328
	4	50 Conical	29 x 115	≤ 4,500	≤ 3,328
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 15 mL, (4) Adapters 50 mL, (4) Bio-containment Lids					


UNIVERSAL 320 CELL CULTURE PACKAGE - 8

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	8	15 Conical	17 x 120	≤ 4,500	≤ 3,260
	8	50 Conical	29 x 115	≤ 4,500	≤ 3,260
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (8) Adapters 15 mL, (8) Adapters 50 mL					

UNIVERSAL 320 PLATE PACKAGE

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	10	Microtiter	--	≤ 4,000	≤ 2,218
Includes: (1) Centrifuge, (1) Horizontal Rotor, (2) Buckets					

UNIVERSAL 320 CUSTOM PACKAGE

	Supports over 413 application configurations, please inquire for more information				
	Tube types include: Microliter up to 5 mL, Blood, Pediatric, Urine, Conical and Skirted up to 50 mL, Standard up to 100 mL, Plates, Bottles up to 200 mL, Cytology				



[Click here to learn more.](#)



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Hettich products are designed to help you achieve optimal results for your application and are built to perform to the specifications outlined in the operators manual. For application specific information and settings, please refer to your organizations standard operating procedure.

Prices, specifications and stock are current at the time of printing/publishing, subject to change without notice and are not to be combined with other offers/discounts or contract pricing. While quantities last.

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ROTINA 420 | R

BLOOD / CELL CULTURE / PLATES / BOTTLES

High-throughput centrifuge that maximizes your bench space and exceeds performance. The Hettich ROTINA 420 is a high-performance benchtop centrifuge for large sample volumes, yet not overly large in size. With a maximum capacity of 4 x 600 ml, (104) blood collection tubes, (52) 15 mL conical tubes or (16) plates, the ROTINA 420 and ROTINA 420R refrigerated (-20 to +40 °C) centrifuges are ideal for applications in clinical chemistry, in biotechnology and in life science research facilities.

One rotor for maximum versatility and cost savings. The ROTINA 420 centrifuge features the high-capacity versatile rotor for tubes, bottles and plates eliminating the need to change, purchase or store additional rotors. Have peace of mind for long-term capability.

Versa-Lock buckets for easy loading, unloading, transport and sealing. Hettich Versa-Lock buckets feature an integrated handle to provide you with a convenient method for transporting and loading your samples while doubling as a locking mechanism for your bio-containment lids.



MODEL	ROTINA 420	ROTINA 420 R
Max. Capacity	4 x 600 ml	4 x 600 ml
Max. RPM / RCF	15,000 / 24,400	15,000 / 24,400
Max. Blood Tubes*	104 (13 x 75/100), 72 (16 x 75/100)	104 (13 x 75/100), 72 (16 x 75/100)
Max. Conical Tubes*	52/20 (15/50 ml)	52/20 (15/50 ml)
Temperature Control	Ambient	-20 °C to +40 °C
Dims (H x W x D)	17 x 20 x 25.5 in.	17 x 28 x 26 in.
Warranty†	5 yr.	5 yr.

*Please inquire about the fit of your specific tube dimensions. † Warranty valid in U.S. and Canada only, see warranty statement for complete details.

[Click here to learn more.](#)

ROTINA 420 | R CENTRIFUGE PACKAGES

ROTINA 420 BLOOD TUBE PACKAGE - 4 - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	104	1.6 - 7	13 x 75/100	≤ 4,800	≤ 4,585
	72	4 - 10	16 x 75/100	≤ 4,800	≤ 4,585
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 13 x 75/100, (4) Adapters 16 x 75/100, (4) Bio-lids					

ROTINA 420 BLOOD TUBE PACKAGE - 2 - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	52	1.6 - 7	13 x 75/100	≤ 4,800	≤ 4,585
	36	4 - 10	16 x 75/100	≤ 4,800	≤ 4,585
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (2) Adapters 13 x 75/100, (2) Adapters 16 x 75/100, (4) Bio-lids					

ROTINA 420 CELL CULTURE PACKAGE - 4 - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	52	15 Conical	17 x 120	≤ 4,800	≤ 4,740
	20	50 Conical	29 x 115	≤ 4,800	≤ 4,688
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters 15 mL, (4) Adapters 50 mL, (4) Bio-containment Lids					

ROTINA 420 CELL CULTURE PACKAGE - 2 - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	26	15 Conical	17 x 120	≤ 4,800	≤ 4,740
	10	50 Conical	29 x 115	≤ 4,800	≤ 4,688
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (2) Adapters 15 mL, (2) Adapters 50 mL, (4) Bio-containment Lids					

ROTINA 420 PLATE PACKAGE

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	16	Microtiter	--	≤ 4,800	≤ 4,096
	Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets				

ROTINA 420 BOTTLE PACKAGE - BIO-CONTAINMENT

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF
	4	250	61 x 122	≤ 4,800	≤ 4,740
	4	400	81 x 136	≤ 4,800	≤ 4,740
	4	600	93 x 134	≤ 4,800	≤ 4,740
Includes: (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters, (4) Bio-containment Lids					

ROTINA 420 CUSTOM PACKAGE

	Supports over 302 application configurations, please inquire for more information				
	Tube types include: Blood, Pediatric, Urine, Conical and Skirted up to 50 mL, Standard up to 250 mL, Plates, Bottles up to 600 mL, 5 mL Microliter				



[Click here to learn more.](#)



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