



CENTRIFUGES

# UNIVERSAL 320

BLOOD / CELL CULTURE / URINE / CYTOLOGY / PLATES

## Universal Appeal

The UNIVERSAL 320 is a compact, versatile and indispensable general-purpose centrifuge. Excellent performance and a comprehensive range of accessories enable the UNIVERSAL 320 to carry out virtually any centrifuging task.

<b>MAX. CAPACITY</b>	4 x 200 mL / 6 x 85 mL
<b>MAX. RPM/RCF</b>	15,000/21,382
<b>TEMP. CONTROL</b>	from -20 to +40°C (320 R)



### QUIET OPERATION

Quiet as a normal conversation. Will not increase noise levels or contribute to distractions.



### FIVE YEAR WARRANTY

All Hettich centrifuges are protected by our 5-year warranty and full technical support.



### FUNCTIONAL DESIGN

Easy to lift lid with front-facing control panel for effortless interaction and programming.



### FULLY CERTIFIED

Engineered and manufactured in accordance with all relevant safety and production standards.



### ENHANCED SAFETY

Self-closing, auto-locking lid with steel latches. All-metal chamber provides reinforced security.



### MADE IN GERMANY

German engineered and manufactured to be quiet, reliable and safe since 1904.


**DIMS. (HxWxD):** 13.6" x 15.6" x 20.5" (320) | 13.6" x 15.8" x 27.4" (320 R)

→ [hettweb.com/universal320](http://hettweb.com/universal320)


# HETTICH UNIVERSAL 320 APPLICATION PACKAGES




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

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	16	5 Conical	17 x 59	≤ 4,500	≤ 3,328	320CONICAL5-BC	320RCONICAL5-BC
	<b>Includes:</b> (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	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	28	1.6 - 7	13 x 75/100	≤ 5,000	≤ 3,913	320BLOOD	320RBLOOD
	28	4 - 10	16 x 75/100	≤ 5,000	≤ 3,913		
<b>Includes:</b> (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	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	28	1.6 - 5	13 x 75/100	≤ 4,500	≤ 3,215	320BLOOD4-BC	320RBLOOD4-BC
	20	4 - 10	16 x 75/100	≤ 4,500	≤ 3,215		
<b>Includes:</b> (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	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	12	12 KOVA	17 x 102	≤ 4,500	≤ 3,102	320URINALYSIS	320RURINALYSIS
	<b>Includes:</b> (1) Centrifuge, (1) Horizontal Rotor, (4) Buckets, (4) Adapters KOVA						


## UNIVERSAL 320 CELL CULTURE PACKAGE - 4

	Tube Qty.	Volume (mL)	Size (mm)	RPM	RCF	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	16	15 Conical	17 x 120	≤ 4,500	≤ 3,305	320CELLCULTURE4	320RCELLCULTURE4
	4	50 Conical	29 x 115	≤ 4,500	≤ 3,260		
<b>Includes:</b> (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	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	8	15 Conical	17 x 120	≤ 4,500	≤ 3,328	320CELLCULTURE4-BC	320RCELLCULTURE4-BC
	4	50 Conical	29 x 115	≤ 4,500	≤ 3,328		
<b>Includes:</b> (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	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	8	15 Conical	17 x 120	≤ 4,500	≤ 3,260	320CELLCULTURE8	320RCELLCULTURE8
	8	50 Conical	29 x 115	≤ 4,500	≤ 3,260		
<b>Includes:</b> (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	PKG. NO.	PKG. NO. (TEMP. CONTROL)
	10	Microtiter	--	≤ 4,000	≤ 2,218	320PLATE	320RPLATE
	<b>Includes:</b> (1) Centrifuge, (1) Horizontal Rotor, (2) Buckets						

## UNIVERSAL 320 CUSTOM PACKAGE

	<b>Supports over 413 application configurations, please inquire for more information</b>						
	<b>Tube types include:</b> 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						



[hettweb.com/universal320](http://hettweb.com/universal320)

CONTACT YOUR LOCAL HETTICH REPRESENTATIVE TO LEARN MORE:



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