

# MidSCI™

## Z496-K Series

Z496-K  
Z496-K-UC

Ultra High Capacity Centrifuges



- **Ultra High Capacity** (4 x 1000ml, 40 x 50ml, 96 x 15ml)
- Accepts 500ml or 750ml blood bags
- Two models,
  - Floor-standing with storage drawer
  - Under-bench (27.5" height for use under the bench)



**Z496-K Underbench model**

## Z496-K Series Summary

Speed up to 10,500 rpm  
 G-Force up to 16,022 x g  
 Swing Out Capacity:  
     4 x 1000ml  
     4 x 500/750ml blood bags  
     40 x 50ml  
     96 x 15ml  
     24 x microplates

Angle Rotor Capacity  
     10 x 50ml  
     6 x 250ml  
     4 x 500ml

## Z496-K Features

Microprocessor Control  
     Over-speed protection  
     Automatic rotor identification  
     Program Storage (99)  
     Pre-Cool function  
     Momentary spin button  
     Imbalance detection  
     Adjustable Accel/Decel  
     Audible end of run alarm

Available underbench model  
 Maintenance free induction drive  
 Motor driven safety lid-lock  
 Quiet operation, less than 65 DB  
 Splash proof display  
 Powerful refrigeration  
 Storage drawer (Floor standing only)

## Z496-K Specifications

Speed Range: 200 to 10,500 rpm  
 Max. RCF: 16,022 xg  
 Max Capacity: 4 x 1000 ml  
 Timer: up to 99 hr, 59 min.  
 Dimensions:  
     Underbench  
     24 x 27 x 27.5 in.  
     (W x D x H) 62 x 69 x 70 cm.  
     Floor Standing  
     24 x 27 x 38.6 in.  
     62 x 69 x 98 cm.  
 Weight:  
     346 lbs (157 kg)  
 Floor Standing 419 lbs (190 kg)  
 Electrical: 230V, 50/60Hz  
 Power Draw: 2300 W  
 Temp Range: -20° to 40° C



The Z496-K centrifuges offer the highest tube/bottle capacity in our range.

Several rotors are available, including a popular 4 position swinging bucket rotor with a wide offering of accessories for the centrifugation of tubes, bottles, plates and blood bags. The high capacity rectangular buckets accept microplates directly or a variety of tube inserts for accommodating as many as 40 x 50ml conical or 96 x 15ml conical tubes per run.

Advanced microprocessor controls allow for instant rotor identification, which automatically converts the rotational speed to the relevant g-force (rcf), preventing the user from setting a speed above the capabilities of the installed rotor. In addition to retrieving up to 99 saved programs, the easy to use front panel can adjust accel/decel rates, time, and convert operation between rpm and rcf. The powerful refrigeration system, with a range of -20° to 40° C, also features a precool function that ensures the temperature of the chamber is optimized for any application.

A standard floor standing model is available (height: 38.6 in.) which includes a convenient lower drawer for the storage of frequently used rotors and accessories. In addition, a space saving "underbench" model (height: 27.5 in.) is available when under the counter storage is preferred. Both models are equipped with wheels for easy maneuverability around the laboratory. W

For all your high capacity, high volume needs, the Z496-K floor standing series is the perfect centrifuge.

### Ordering Information:

Z496-K\* Z496-K Floor Standing Centrifuge (without rotor)

Z496-K-UC\* Z496-K Underbench Centrifuge (without rotor)

\*Only available in 230V

## Universal Swing Out Rotor:



Item: Z496-1000-AC	
4 x 1000ml Swing Out Rotor	
Max Speed: 4,200 rpm / 3,964 xg (w Rectangular buckets)	
Accel: 84 sec. / Decel: 53 sec.	
Z496-1000-AC	Rotor without buckets
Z496-1000	Rotor complete with 4 rectangular buckets
Z496-1000-RBUK	Rectangular/Microplate buckets, 2/pk.
Z496-500-BLD	Bucket for 500ml blood bags, 2/pk (4,600 rpm / 5,298 xg)
Z496-750-BLD	Bucket for 750ml blood bags, 2/pk (4,600 rpm / 5,274 xg)
Z496-1000-1L	Round bucket for 1000ml bottles, 2/pk (4,600 rpm / 5,203 xg)
Z496-1000-MPRA	Microplate removing aid

Inserts: (rectangular buckets)	Tube/Bottle	qty/ insert	qty./ rotor
Z496-1000-A750	750ml	1	4
Z496-1000-A500	500ml	1	4
Z496-1000-A500C	500ml conical	1	4
Z496-1000-A250	250ml	2	8
Z496-1000-A225	175/225ml conical	2	8
Z496-1000-A100	100ml	3	12
Z496-1000-A50	50ml conical	10	40
Z496-1000-A50R	50ml round	10	40
Z496-1000-A15	15ml conical	24	96
Z496-1000-A5F	5ml conical	24	96
Z496-1000-A10	10ml	31	124
Z496-1000-A57	5/7ml	46	184

\*All inserts come in packs of 2\*

**New optional accessory!!!**

**Z326-MPCA**  
3 x chamber slide and dish carrier



Chamber Slides      35mm Dishes      60mm Dishes

Fits all Hermle microplate carriers!!!

**Z496-1000-RBUK**



**Z496-1000-1L**



**Blood bag buckets**



500ml



750ml



**Z496-1000-MPRA**  
Microplate removing aid



## Additional Rotors:



**Item: Z446-04500**

4 x 500ml Angle Rotor (24°)

Max Speed: 8,000 rpm / 10,367 x g

Accel: 59 sec. / Decel: 81 sec.



**Item: Z366-06250**

6 x 250ml Angle Rotor (28°)

Max Speed: 8,000 rpm / 10,016 x g

Accel: 53 sec. / Decel: 82 sec.



**Item: Z326-1050**

10 x 50ml Angle Rotor (38°)

Max Speed: 10,500 rpm / 16,022 x g

Accel: 56 sec. / Decel: 64 sec.

### Inserts/Adapters

Z446-500-A15: 15ml conical

Z446-500-A50R: 50ml round

Z446-500-A50: 50ml conical

Z446-500-A250: 250ml bottle

### Inserts/Adapters

Z366-06250-A15: 4 x 15ml conical

Z366-06250-A50R: 50ml round

Z366-06250-A50: 50ml conical

### Inserts/Adapters

Z326-50-A30: 30ml round

Z326-50-A15: 15ml conical

Z326-50-B15: 15ml round

Z206-50-A57: 5-7ml (12-13mm)

Z206-50-A57C: Cushion for 5ml tube



[www.midsci.com](http://www.midsci.com)

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## Also Available:



### Z207 M

#### High Speed Microcentrifuge

- EZ-Scroll™ touch pad
- High speed, up to 17,317 x g
- Compact, 11in. wide
- Multiple rotor options for 1.5/2.0ml tubes



18 x 1.5/2.0ml  
spin column



24 x 1.5/2.0ml  
hermetically sealed