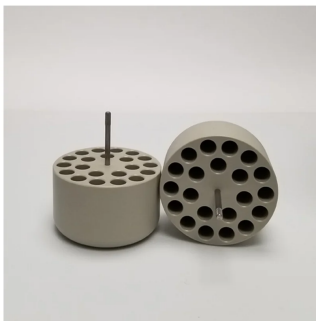




PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

## Z446 V1 9.22 SM

38 models inside · Life Science · Centrifuge Accessories



### QUICK VIEW — SERIES AT A GLANCE

38 models in this document from Benchmark Scientific. Full specifications inside.

#### MODELS IN THIS DOCUMENT

Z446-750-A57 · Z446-K-BND · Z446-MPBND ·  
Z446 · Z446-750-MP ·...

#### SOURCING

Authorized U.S. distributor

#### SHIP WEIGHT

174–245 lb

Distributed by Legacy Lab Supplies

legacylabsupplies.com · (855) 746-7557 / 855-SHOP-LLS · quotes in 24 hours



# High Capacity Universal Centrifuge

■ Z446

■ Z446-K



**HERMLE**  
**Benchmark**



4 x 750 ml

# Z446

# Z446-K



## Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance identification and cut off (rotor-specific)
- CFC-free refrigeration system
- A large variety of rotors and accessories
- Audible signal at the end of each run with several melody options
- Noise level < 65 dBA (depend on rotor)
- Manufactured according to international safety regulations, i. e. IEC 61010
- Stainless steel chamber

The Z446 universal centrifuge series offers the highest capacity of any benchtop Hermle-Benchmark model. With air-craft grade, premium alloy construction, the 4 x 750ml swing out rotor can withstand centrifugal forces upwards of 4,000 x g with full loads of up to 28 x 50ml or 68 x 15ml tubes. 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 saved programs, the easy to use front panel can adjust accel/ decel rates, and change the end of run alarm tone. Rotor exchange is simple and requires less than one minute.

## Technical Data

|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| max. speed:       | 16,000 rpm                                                                                                                  |
| max. RCF:         | 24,325 xg / 26,328 xg                                                                                                       |
| max. volume:      | 4 x 750 ml                                                                                                                  |
| speed range:      | 200 - 16,000 rpm                                                                                                            |
| Temperature range |                                                                                                                             |
| Z446-K:           | -20°C to 40°C                                                                                                               |
| Running time:     | 59 min 50 s / 10 s increments 99 h<br>59 min / 1 min increments                                                             |
| Dimensions:       |                                                                                                                             |
| Z446:             | 21 in x 15 in x 26 in (W x H x D)<br>54 cm x 39 cm x 67 cm (W x H x D)                                                      |
| Z446-K:           | 29 in x 15 in x 26 in (W x H x D)<br>73 cm x 39 cm x 67 cm (W x H x D)                                                      |
| Weight:           |                                                                                                                             |
| Z446:             | 174 lbs / 79 kg                                                                                                             |
| Z446-K:           | 245 lbs / 111 kg                                                                                                            |
| Power input:      |                                                                                                                             |
| Z446:             | 640 W                                                                                                                       |
| Z446-K:           | 1,630 W                                                                                                                     |
| Order numbers:    | Z446, 120 V / 50-60 Hz<br>Z446-E, 230 V / 50-60 Hz<br>Z446-K, 120 V / 50-60 Hz / 15 A<br>Z446-K-E, 230 V / 50-60 Hz / 20 A* |

\* The speed of rotor Z446-750 lower by 500 rpm  
(can be toggled with 20A line)



## Distinct Control Panel

- Simple one handed operation
- Easy to program with gloves on
- Foil keyboard
- Permanent indication of preset and actual values
- Selection of speed in both rpm and g-force, with increments of 10
- 10 acceleration and deceleration rates, possibility of unbraked deceleration
- Temperature range from -20°C to 40°C with 1°C increments
- Pre-cooling program
- Standstill cooling
- Pre-selection of the running time from 10 s to 99 h 59 min or continuous
- Storage of up to 99 runs including rotor
- Quick-key for short runs
- Timer: the centrifuge starts at the preselected time

# Accessories Z446 and Z446-K

## Rotor/Bucket

Order No.:

Z446-750-AC\*

Swing out rotor 4 place  
Angle: 0-90°



\*Z446-750

Swing out rotor with  
round buckets included

## Adapter

Order No.:

Z446-750-BUK

Round bucket



Acceleration in s: 47/483  
Deceleration in s: 49/1,287  
Acceleration in s: 55/551  
Deceleration in s: 54/1,501  
max. speed: 4,000/4,500 rpm  
max. RCF: 3,434/4,346 xg  
max. radius: 19.2 cm  
Temp. at max. speed: 4°C

Order No.:

Z446-MP-BUK

Rectangular bucket  
for Microplates

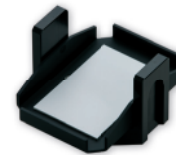


Acceleration in s: 47/483  
Deceleration in s: 49/1,287  
Acceleration in s: 55/551  
Deceleration in s: 54/1,501  
max. speed: 4,000/4,500 rpm  
max. RCF: 3,130/3,961 xg  
max. radius: 17.5 cm  
max. loading height: 80 mm  
max. loading weight: 640 g  
Temp. at max. speed: 4°C

Order No.:

Z446-750-MP

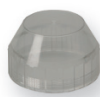
Microplate carrier



Acceleration in s: 47/482  
Deceleration in s: 49/1,287  
Acceleration in s: 55/551  
Deceleration in s: 54/1,501  
max. speed: 4,000/4,500 rpm  
max. RCF: 2,754/3,486 xg  
max. radius: 15.4 cm  
max. loading height: 72 mm  
max. loading weight: 310 g  
Temp. at max. speed: -3°C

Z446-750-LID\*

PC-Screw cap  
for round bucket



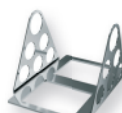
Z446-MP-LID\*

PC-Lid  
for rectangular bucket



Z446-MP-RA

Removing aid  
for rectangular bucket



Adapters for rectangular bucket  
on request

\*hermetically sealable

Z446-MP-STK  
Microplate stacking adapter



|                            | Corning®                                                                            |                                                                                     |                                                                                     | Corning®                                                                            | Falcon®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | conical                                                                             | conical                                                                             | conical                                                                               | conical                                                                               | conical                                                                               | conical                                                                               | conical                                                                               | conical                                                                               |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Volume                     | 750 ml                                                                              | 500 ml                                                                              | 500 ml**                                                                            | 250/290 ml                                                                          | 250 ml**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 175/225 ml**                                                                        | 50 ml                                                                               | 50 ml                                                                                 | 50 ml                                                                                 | 30 ml                                                                                 | 15 ml                                                                                 | 15 ml                                                                                 | 15 ml                                                                                 |
| ø in mm                    | 99                                                                                  | 99                                                                                  | 97                                                                                  | 62                                                                                  | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 61                                                                                  | 29                                                                                  | 29                                                                                    | 29                                                                                    | 26                                                                                    | 17                                                                                    | 17                                                                                    | 17                                                                                    |
|                            |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |
| Round bucket               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Length min./max. (mm)      | 152                                                                                 | 114                                                                                 | 148                                                                                 | 122/137                                                                             | 159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 118/137                                                                             | 116                                                                                 | 116                                                                                   | 102/123                                                                               | 102/123                                                                               | 120                                                                                   | 120                                                                                   | 97/120                                                                                |
| Tubes per rotor            | 4                                                                                   | 4                                                                                   | 4                                                                                   | 4                                                                                   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                                                                                   | 20                                                                                  | 28                                                                                    | 28                                                                                    | 32                                                                                    | 56                                                                                    | 68 <sup>1</sup>                                                                       | 72                                                                                    |
| Radius correction (cm)     | 0                                                                                   | 0                                                                                   | 0.5                                                                                 | 0.2                                                                                 | 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.2                                                                                 | 0.2                                                                                 | 0.2                                                                                   | 0.2                                                                                   | 0.2                                                                                   | 0.1                                                                                   | 0.3                                                                                   | 0.5                                                                                   |
| Order No. Adapter Z446-750 | without                                                                             | without                                                                             | -A500                                                                               | -A250                                                                               | -A250F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -A225                                                                               | -A50-E                                                                              | -B50                                                                                  | -A50R                                                                                 | -A30                                                                                  | -A15-E                                                                                | -B15                                                                                  | -A15R                                                                                 |
| <sup>1</sup> 2-level       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                            | Vacutainer®                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Volume                     | 1.8-5 ml                                                                            | 4-7 ml                                                                              | 5 ml                                                                                | 6-10 ml                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| ø in mm                    | 13                                                                                  | 13                                                                                  | 16                                                                                  | 16                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                            |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Round bucket               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Length min./max. (mm)      | 75                                                                                  | 100                                                                                 | 75                                                                                  | 100                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Tubes per rotor            | 108                                                                                 | 108                                                                                 | 72                                                                                  | 72                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Radius correction (cm)     | 0.3                                                                                 | 0.3                                                                                 | 0.3                                                                                 | 0.3                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Order No. Adapter Z446-750 | -A57                                                                                | -A57                                                                                | -A10                                                                                | -A10                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     | <div><div>** Bottles available for order</div><div><div>Volume</div><div>Part No. :</div></div><div><div></div><div>175 / 225 ml</div><div>C0175 / C0225</div></div><div><div></div><div>250 ml</div><div>C1250</div></div><div><div></div><div>500 ml</div><div>C1500</div></div></div> |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |

Order No.:

Z446-04500



Angle rotor 4 x 500 ml  
Angle: 24°

Acceleration in s: 73/575  
Deceleration in s: 84/2,317  
max. speed: 8,000 rpm  
max. RCF: 10,367 xg  
max. radius: 14.5 cm  
max. ø: 69.5 mm  
Temp. at max. speed: 4°C

Order No.:

without Adapter  
Z446-500-A250F  
Z446-500-A250  
Z446-500-A225  
Z446-500-A225  
Z446-500-A50  
Z446-500-A15C

| Tube rack            | ø (mm) | Length (min./max.) |
|----------------------|--------|--------------------|
| 1 x 500 ml           | 69.5   | 165                |
| 1 x 250 ml           | 62     | 122                |
| 1 x 250 ml conical** | 60     | 159                |
| 1 x 175 ml conical** | 61     | 118                |
| 1 x 225 ml conical** | 61     | 137                |
| 1 x 50 ml conical    | 29     | 116                |
| 6 x 15 ml conical    | 17     | 120                |

**\*\* Bottles available for order**

Volume Part No.: 175 / 225 ml C0175 / C0225 250 ml C1250

Order No.:

Z366-06250



Angle rotor 6 x 250 ml  
Angle: 28°

Acceleration in s: 66/573  
Deceleration in s: 84/1,871  
max. speed: 8,000 rpm  
max. RCF: 10,016 xg  
max. radius: 14 cm  
max. ø: 62 mm  
Temp. at max. speed: -1°C

Order No.:

without Adapter  
Z366-06250-A225C  
Z366-06250-A50  
Z366-06250-A50R  
Z366-06250-A30  
Z366-06250-A15

| Tube rack                | ø (mm) | Length (min./max.) |
|--------------------------|--------|--------------------|
| 1 x 250 ml               | 62     | 122                |
| 1 x 175/225 ml conical** | 61     | 118/137            |
| 1 x 50 ml conical        | 29     | 118                |
| 1 x 50 ml                | 29     | 103                |
| 2 x 30 ml                | 26     | 92                 |
| 4 x 15 ml conical        | 17     | 120                |

**\*\* Bottles available for order**

Volume Part No.: 175 / 225 ml C0175 / C0225

# Accessories Z446 and Z446-K

## Rotor/Bucket

Order No.:  
Z326-02MP



Swing out rotor 2 x 3 Microplates  
0-90°

## Adapter

Acceleration in s: 27/251  
Deceleration in s: 23/602  
max. speed: 4,500 rpm  
max. RCF: 2,716 xg  
max. radius: 12 cm  
max. loading height: 63 mm  
max. loading weight: 310 g  
Temp. at max. speed: -8°C

Order No.:  
BT1500-A1520  
BT1500-A05  
Z326-MPCA

Tube rack  
20 x 1.5 ml (2.0 ml) Tubes  
20 x 0.5 ml Tubes  
3 x Chamber slide or 35/60 mm petri dish

Order No.:  
Z326-0685



Angle rotor 6 x 85 ml  
Angle: 38°

Acceleration in s: 49/462  
Deceleration in s: 46/1,655  
Acceleration in s: 69/549  
Deceleration in s: 67/1,307  
max. speed: 11,000/13,000 rpm  
max. RCF: 15,555/21,726 xg  
max. radius: 11.5 cm  
max. ø: 38 mm  
Temp. at max. speed: 8°C

| Order No.:      | Tube rack         | Ø (mm) | Length (min./max.): |
|-----------------|-------------------|--------|---------------------|
| without Adapter | 1 x 85 ml         | 38     | 113                 |
| Z326-85-A50R    | 1 x 50 ml         | 29     | 105                 |
| Z326-85-A50     | 1 x 50 ml conical | 29     | 116                 |
| Z326-85-A30     | 1 x 30 ml         | 25     | 90/103              |
| Z326-85-A15R    | 1 x 15 ml         | 17     | 103/110             |
| Z326-85-A15     | 1 x 15 ml conical | 17     | 120                 |

Order No.:  
Z326-0485



Angle rotor 4 x 85 ml  
Angle: 30°

Acceleration in s: 50/448  
Deceleration in s: 45/1,251  
Acceleration in s: 61/480  
Deceleration in s: 47/1,220  
max. speed: 15,000/16,000 rpm  
max. RCF: 23,140/26,328 xg  
max. radius: 9.2 cm  
max. ø: 38 mm  
Temp. at max. speed: 7°C

| Order No.:      | Tube rack         | Ø (mm) | Length (min./max.): |
|-----------------|-------------------|--------|---------------------|
| without Adapter | 1 x 85 ml         | 38     | 113                 |
| Z326-85-A50R    | 1 x 50 ml         | 29     | 105                 |
| Z326-85-A50     | 1 x 50 ml conical | 29     | 116                 |
| Z326-85-A30     | 1 x 30 ml         | 25     | 90/103              |
| Z326-85-A15R    | 1 x 15 ml         | 17     | 103/110             |
| Z326-85-A15     | 1 x 15 ml conical | 17     | 120                 |

Order No.:  
Z326-0650-HS



Angle rotor 6 x 50 ml (round)  
Angle: 26°

Acceleration in s: 28/263  
Deceleration in s: 31/922  
max. speed: 13,000 rpm  
max. RCF: 15,869 xg  
max. radius: 8.4 cm  
max. ø: 29 mm  
Temp. at max. speed: -4°C

| Order No.:      | Tube rack          | Ø (mm) | Length (min./max.): |
|-----------------|--------------------|--------|---------------------|
| without Adapter | 1 x 50 ml          | 29     | 95/115              |
| Z326-50-A30     | 1 x 30             | 25     | 92/95               |
| Z326-50-B15R    | 1 x 15 ml          | 17     | 100/105             |
| Z326-50-A15R    | 1 x 15 ml conical* | 17     | 120                 |

\*only without rotor lid

Order No.:  
Z326-1050



Angle rotor 10 x 50 ml conical  
Angle: 38°

Acceleration in s: 60/480  
Deceleration in s: 68/1,747  
Acceleration in s: 61/480  
Deceleration in s: 480/1,747  
max. speed: 10,000/10,500 rpm  
max. RCF: 14,532/16,022 xg  
max. radius: 13 cm  
max. ø: 29 mm  
Temp. at max. speed: 2°C

| Order No.:    | Adapter           | ø (mm) | Length (min./max.) |
|---------------|-------------------|--------|--------------------|
| Z326-50-B15HS | 1 x 15 ml RB      | 17     | 97/123             |
| Z326-15-A7*   | 1 x 7 ml          | 13.5   | 95/115             |
| Z326-15-A5*   | 1 x 5 ml          | 13.5   | 70/90              |
| Z326-50-A15   | 1 x 15 ml conical | 17     | 120                |

\*only possible with adapter Z326-50-A15 or Z326-50-B15

Order No.:  
Z326-2010



Angle rotor 20 x 10 ml  
Angle: 30°

Acceleration in s: 32/305  
Deceleration in s: 37/984  
max. speed: 12,000 rpm  
max. RCF: 15,775 xg  
max. radius: 9.8 cm  
max. ø: 16 mm  
Temp. at max. speed: -3°C

| Order No.:      | Tube rack | ø (mm) | Length (min./max.) |
|-----------------|-----------|--------|--------------------|
| without Adapter | 1 x 10 ml | 16     | 80                 |

Order No.:  
Z326-3020H



Angle rotor 30 x 1.5/2.0 ml  
Angle: 45°

Acceleration in s: 24/218  
Deceleration in s: 30/526  
max. speed: 15,000 rpm  
max. RCF: 23,643 xg  
max. radius: 9.4 cm  
max. ø: 11 mm  
Temp. at max. speed: 1°C

| Order No.: | Tube rack          | ø (mm) | Length (min./max.) |
|------------|--------------------|--------|--------------------|
| without    | 1 x 2,0 ml         | 11     | 40                 |
| without    | 1 x 1,5 ml         | 11     | 40                 |
| C1008-A5-6 | 1 x 0.5 ml         | 8      | 45                 |
| C1008-A2-6 | 1 x 0.4/0.2 ml PCR | 6      | 45                 |

# Accessories Z446 and Z446-K

| Rotor/Bucket                              |                                                                                   | Adaprer                                                                                                                                                                |                    |        |                    |
|-------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|--------------------|
| <b>Order No.:</b><br>Z326-2420            |  |                                                                                                                                                                        |                    |        |                    |
|                                           |                                                                                   | Acceleration in s: 21/204<br>Deceleration in s: 29/375<br>max. speed: 16,000 rpm<br>max. RCF: 24,325 xg<br>radius: 8.5 cm<br>max. ø: 11 mm<br>Temp. at max. speed: 1°C |                    |        |                    |
| Angle rotor 24 x 1.5/2.0 ml<br>Angle: 45° |                                                                                   | <b>Order No.:</b>                                                                                                                                                      | Tube rack          | ø (mm) | Length (min./max.) |
|                                           |                                                                                   | without                                                                                                                                                                | 1 x 2,0 ml         | 11     | 40                 |
|                                           |                                                                                   | without                                                                                                                                                                | 1 x 1,5 ml         | 11     | 40                 |
|                                           |                                                                                   | C1008-A5-6                                                                                                                                                             | 1 x 0.5 ml         | 8      | 45                 |
|                                           |                                                                                   | C1008-A2-6                                                                                                                                                             | 1 x 0.4/0.2 ml PCR | 6      | 45                 |

|                                                           |                                                                                   |                                                                                                                                                                        |                    |        |                    |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|--------------------|
| <b>Order No.:</b><br>Z326-2420H                           |  |                                                                                                                                                                        |                    |        |                    |
|                                                           |                                                                                   | Acceleration in s: 21/204<br>Deceleration in s: 29/394<br>max. speed: 16,000 rpm<br>max. RCF: 24,325 xg<br>radius: 8.5 cm<br>max. ø: 11 mm<br>Temp. at max. speed: 1°C |                    |        |                    |
| Angle rotor 24 x 1.5/2.0 ml<br>Angle: 45°   aerosol-tight |                                                                                   | <b>Order No.:</b>                                                                                                                                                      | Tube rack          | ø (mm) | Length (min./max.) |
|                                                           |                                                                                   | without                                                                                                                                                                | 1 x 2,0 ml         | 11     | 40                 |
|                                                           |                                                                                   | without                                                                                                                                                                | 1 x 1,5 ml         | 11     | 40                 |
|                                                           |                                                                                   | C1008-A5-6                                                                                                                                                             | 1 x 0.5 ml         | 8      | 45                 |
|                                                           |                                                                                   | C1008-A2-6                                                                                                                                                             | 1 x 0.4/0.2 ml PCR | 6      | 45                 |

|                                |                                                                                   |                                                                                                                                                                             |  |  |  |
|--------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <b>Order No.:</b><br>Z326-3202 |  |                                                                                                                                                                             |  |  |  |
|                                |                                                                                   | Acceleration in s: 12/100<br>Deceleration in s: 12/202<br>max. speed: 15,000 rpm<br>max. RCF: 15,353 xg<br>max. radius: 6.1 cm<br>max. ø: 6 mm<br>Temp. at max. speed: -2°C |  |  |  |
| Angle rotor 4 x 8-PCR Strips   |                                                                                   |                                                                                                                                                                             |  |  |  |
|                                |                                                                                   |                                                                                                                                                                             |  |  |  |

|                                               |                                                                                     |                                                                                                                                                                              |                    |        |                    |
|-----------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|--------------------|
| <b>Order No.:</b><br>Z326-4420                |  |                                                                                                                                                                              |                    |        |                    |
|                                               |                                                                                     | Acceleration in s: 25/235<br>Deceleration in s: 25/500<br>max. speed: 16,000 rpm<br>max. RCF: 24,325 xg<br>max. radius: 8.5 cm<br>max. ø: 11 mm<br>Temp. at max. speed: -2°C |                    |        |                    |
| Angle rotor 44 x 1.5/2.0 ml<br>Angle: 32°/55° |                                                                                     | <b>Order No.:</b>                                                                                                                                                            | Tube rack          | ø (mm) | Length (min./max.) |
|                                               |                                                                                     | without                                                                                                                                                                      | 1 x 2,0 ml         | 11     | 40                 |
|                                               |                                                                                     | without                                                                                                                                                                      | 1 x 1,5 ml         | 11     | 40                 |
|                                               |                                                                                     | C1008-A5-6                                                                                                                                                                   | 1 x 0.5 ml         | 8      | 45                 |
|                                               |                                                                                     | C1008-A2-6                                                                                                                                                                   | 1 x 0.4/0.2 ml PCR | 6      | 45                 |

## More from **HERMLE** **Benchmark**



Z216-M



Z366-K

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