

## Centrifuge 4-16 and 4-16K

Universal laboratory centrifuges for use with all QIAGEN spin products

- Highly programmable: 60 user-definable programs
- Choice of 60 ramping profiles
- Wide speed range
- Convenient table-top format
- Compatible with all commonly used 96-well plates

Centrifuge 4-16 and refrigerated Centrifuge 4-16K are Spincontrol Professional centrifuges that are designed for use with all QIAGEN spin products — from small- and large-scale columns to 96-well plates. They provide streamlined, efficient processing in QIAGEN purification procedures and enable purification of nucleic acids from up to 192 samples in parallel.

The Plate Rotor 2 x 96, compatible with Spincontrol Professional centrifuges, enables purification from up to two QIAGEN 96-well plates. A wide range of fixed-angle and swing-out rotors is available from Sigma Laborzentrifugen GmbH for centrifugation of 5 ml, 15 ml, and 50 ml tubes, as well as 1.5 ml and 2 ml microcentrifuge tubes.

**Table 1. Features of Centrifuge 4-16 and 4-16K**

| Spincontrol Professional                                  |  |
|---|--|
| ■ Thin film transistor (TFT) display                      | ■ User-defined program name                                |
| ■ Plain text pop-up windows                               | ■ Program list shows all parameters                        |
| ■ Display shows units                                     | ■ Brakeless  |
| ■ German and English                                      | ■ Combination deceleration and brakeless, 150–1000 rpm     |
| ■ Timer from 10 seconds to 99 hours 59 minutes            | ■ Automatic lid opening, switch on/off                     |
| ■ Timing after set speed has been reached                 | ■ Beep at end of run, switch on/off                        |
| ■ 1 and 60 minute increments for adjusting time           | ■ Number of cycles are displayed to monitor rotor lifetime |
| ■ Short run   | ■ Pop-up window appears at end of rotor lifetime           |
| ■ Continuous run  | ■ Automatic lid opening at end of run, switch on/off       |
| ■ 1 and 10 rpm increments for adjusting speed             | ■ Preprogrammed speed, g-force, and radius for all rotors  |
| ■ Display speed and g-force                               | ■ Maximum radius can be decreased                          |
| ■ 1 and 10 x g increments available for adjusting g-force | ■ Calculation for liquid density >1.2 g/cm <sup>3</sup>    |
| ■ Temperature units, switch between °C and °F*            | ■ Start delay  |
| ■ Pre- and post-run cooling, switch on/off*               | ■ Lockable control unit                                    |
| ■ User-defined temperature limits*                        | ■ Code protection  |
| ■ Rapid cooling program*                                  |  |

\* Feature only available with Centrifuge 4-16K.



Centrifuge 4-16



Centrifuge 4-16K



Plate Rotor 2 x 96



**Table 2. Technical specifications of Centrifuges 4-16 and 4-16K**

|   | Centrifuge 4-16 | Centrifuge 4-16K |
|---|-----------------|------------------|
| Power consumption (W)                             | 1.680           | 2.280            |
| Maximum capacity (ml)                             | 4 x 500         | 4 x 500          |
| Maximum speed (rpm)                               | 13,500          | 15,000           |
| Minimum speed (rpm)                               | 100             | 100              |
| Interference suppression                          | EN 61326        | EN 61326         |
| Height x width x depth (mm)                       | 489 x 496 x 650 | 489 x 570 x 650  |
| Height with open lid (mm)                         | 940             | 940              |
| Weight without rotor (kg)                         | 82              | 124              |
| Temperature setting range (°C)                    | up to 70        | -20 to +40       |
| Maximum speed with the Plate Rotor 2 x 96 (rpm)   | 6000            | 6200             |
| Maximum g-force with the Plate Rotor 2 x 96 (x g) | 5.796           | 6.189            |

## Ordering Information

| Product            | Contents   | Cat. no. |
|--------------------|--|----------|
| Centrifuge 4-16    | Universal laboratory centrifuge with brushless motor               | Inquire  |
| Centrifuge 4-16K   | Refrigerated universal laboratory centrifuge with brushless motor  | Inquire  |
| Plate Rotor 2 x 96 | Rotor for 2 QIAGEN 96-well plates, for use with QIAGEN centrifuges | 81031    |

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at [www.qiagen.com](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

**Visit [www.qiagen.com/goto/Centrifuges](http://www.qiagen.com/goto/Centrifuges) to find out more!**

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