



تهران، خیابان مطهری، خیابان فجر، پلاک 38



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



[abzar.teb](https://www.instagram.com/abzar.teb)

## Sigma 1-14 Sigma 1-14K



Microcentrifuge

- Unrefrigerated
- Refrigerated

[www.sigma-zentrifugen.de](http://www.sigma-zentrifugen.de)

# The most compact centrifuge in its class



شرکت ابزار طب  
وارد کننده تجهیزات  
آزمایشگاهی - تحلیلیاتی - علمی  
تاسیس ۱۳۶۳

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**Sigma is a leading international manufacturer of laboratory centrifuges for diverse sectors, including biotechnology, pharmaceutical, medical and environment analysis. Laboratories, institutions and companies everywhere in the world have been relying on premium Sigma quality – Made in Germany – for more than 40 years. The company stands for innovative products and development of durable, energy-efficient and especially user-friendly devices.**

Small, quiet and powerful – the Sigma 1-14 series is the perfect choice in a wide variety of applications. The balance of performance, ease of use and compact size makes the Sigma 1-14 and the refrigerated version Sigma 1-14K the most popular microcentrifuges in their class. These devices are often used in microbiology applications such as DNA, RNA and protein isolation, clinical chemistry, and university research laboratories.



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# Microcentrifuge with macro features

**Powerful, compact and versatile**

The Sigma 1-14 series is equipped with the clearly organised and intuitive Spincontrol Basic controller. Users appreciate the large function keys, clear display and memory capacity for up to ten programs. Another special feature is the motorised lid lock, which makes closing the lid completely effortless.

The powerful drive enables RCF up to 16,602 x g even with a full load (24 x 2 ml). Two pairs of acceleration and braking curves help users optimise their separation processes. That prevents unintentional stirring up of sensitive samples.

Even at maximum speed, the centrifuge is pleasantly quiet with an operating noise level less than 49 dB(A) with the Sigma 1-14K or 54 dB(A) with the air-cooled Sigma 1-14 (measured with fixed-angle rotor 12094).

The Sigma 1-14K refrigerated version has a high-performance, precisely adjustable cooling system with a temperature range from -10 °C to +40 °C. The pre-cooling function allows the centrifuge chamber and accessories to be precooled to a defined temperature. That assures optimal protection of samples against heating.

## Sigma 1-14

- Compact microcentrifuge
- Speed range up to 14,800 rpm
- Maximum capacity: 24 x 2 ml
- Convenient control
- Clearly organised display
- Short acceleration and braking times
- Low noise level
- Zero-maintenance motor
- Motorised lid lock
- Window in lid for external speed monitoring
- Overspeed monitoring
- Manufactured according to the latest national and international standards (e.g. EN 61010-2-020)



## Sigma 1-14K

All features of the Sigma 1-14, plus:

- Speed range up to 15,000 rpm
- Ten programs
- High-performance cooling
- Temperature setting range: -10°C to +40°C
- Durable, easy-care stainless steel chamber
- Rapid Temp quick cooling program
- Pre-cooling program
- Guaranteed  $\leq +4^{\circ}\text{C}$  at maximum speed with all rotors





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