

Tabletop High-Speed Micro Centrifuges







Comfortable safety and compact design. Quiet and biosafety operation.

Exceptionally low noise

himac CT15E tabletop centrifuge has lower noise level in its class(50 dB or less). The operating noise is suppressed and the sample temperature rise is prevented effectively as a result of the CAE analyses including the latest fluid analysis.

Safe and compact

himac CT15E and CT15RE tabletop centrifuges comply with the CE marking requirements to ensure safety even if a trouble occurs during operation. They are highly safe and compact thanks to the elaborate manufacturing without making compromises.

Easy to use

The operation panel is easy to use. Up to three sets of operating parameters can be stored. In addition, the door is equipped with the automatic door closure system.

Autoclavable rotors

Three types of autoclavable rotors are available. These rotors are suitable for biosafety applications.

Environmental-friendly design

More recyclable, energy and resource saving than conventional models in the market. himac CT15E and CT15RE comply with Hitachi's environmental standards and are environment-friendly products.

Specifications

Model	CT15E	CT15RE
Maximum speed (rpm)	15,000	
Maximum RCF (x g)	21,500	
Maximum capacity	2 ml x 24 or 0.5 ml x 24 (When using the T15A62 angle rotor)	
Speed control range (rpm)	300 to 15,000 (in increments of 100)	
Temperature range adjustment ($^{\circ}$ C)	Not settable (air-cooling)	-20 (displayed "Lo") to +40
Timer	1 to 99 minutes. (in increments of 1 minute.) with a HOLD function (continuous operation)	
Acceleration/deceleration time variable	2-stage variable acceleration, 2-stage braked deceleration plus coasting deceleration	
Drive motor	Brushless DC motor (inverter control)	
Memory-based programmed operation	SPEED/RCF, TIME, TEMP (CT15RE only), ACCEL, DECEL and stop melody	
Rotor stop signal	Selectable from 5 types of stop melodies, beep and mute	
Safety devices	Door interlock, dual overspeed detector, imbalance detector, abnormal motor temperature detector, etc.	
Compliance with standards	C € marking (EN61326, 61010-1, 61010-2-020)	
Heat radiation	300W	500 W
	AC120V ±10%, 60Hz 15A	
Power requirements	AC220-240V ±10%	AC220/230V ±10% 50Hz 10A
	50/60Hz 10A	AC220V ±10%, 60Hz 10A
Dimensions	240 (W) x 328 (D) x 254 (H)	290 (W) x 538 (D) x 307 (H)
Weight	17	40

Rotors







Max. speed (rpm)	15,000
Max. RCF	21,500 x g
Tube capacity	1.5 ml/2 ml x 24
(ml x tubes)	

T15A62 PAT. (shield cover attached)



Max. speed (rpm)	15,000
Max. RCF	21,500 x g
Tube capacity	1.5 ml/2 ml x 24
(ml x tubes)	0.5 ml x 24

T15A63 PAT. (shield cover attached)



Max. speed (rpm)	15,000
Max. RCF	21,500 x g
Tube capacity	0.2 ml x 32
(ml x tubes)Max. speed	(For PCR tube)



The rotor marked with this icon can be sterilized by autoclave at 121 ^{°C} for 20 minutes.



Biosafety of the rotor marked with this icon was verified by in-house test according to the procedure modified IEC61010-2-020 Annex AA. using Bacillus subtilis containing 1 x 10^6 spores/ml. ≥

- *1. Standard plastic cover of T15A61 is not autoclavable.
- *2. The plastic cover is a standard accessory. The shield cover ass'y (optional accessory, S308839B) is required when using these rotors for biosafety applications.



CAUTION:

For sale and proper use of your machine, carefully read and follow the instructions in the instruction manual.

- All specifications are subject to change without advanced notice.
 Actual color may vary from the color of the photos on this catalogue, due to printing conditions.
 Due to safety reasons, installation environments, operating environments and conditions may be restricted.
 Unless specially mentioned, products and/or operation panel of the photos are standard specification.
 For further information, please contact your nearest Hitachi Koki's representative.









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