

Specifications

Model	CAX-571
Maximum Speed	15,000rpm
Maximum RCF	21,130G
Maximum Capacity	1,000ml (250ml x 4)
Speed Control System	Microprocessor feedback control
Drive Motor	Induction motor
Drive System	Flex-Spin drive system (Direct drive with an automatic alignment function)
Data Entry	Jog Dial equipped with an <ENTER> button
Temperature Setting Range	From -9°C to +35°C (1°C increment)
Speed Setting Range	100 to 15,000rpm (100rpm increments)
RCF Setting Range	10 to 21,130G (Less than 300G : 10G increments, Over 300G : 100G increments)
Time Setting Range	From 10 sec to 50 sec, in 10 sec increments, from 1 min to 99 min, in 1 min increments or <F--> for free
Safety Devices	<ul style="list-style-type: none"> • Imbalance detector • Lid interlock • Lid open/close detector • Abnormal speed detector • Over-current circuit breaker • Rotor identification system • Motor over-current detector • Abnormally high or low chamber temperature detector
Additional Functions	<ul style="list-style-type: none"> • Three-step acceleration characteristics selection • Three memory function • Three-step deceleration characteristics selection • BART Code selection • FLASH (momentary spin) function • Memory function for last run parameters • Power saving (ECO) mode
Refrigerant	HFC R404A (250g)
Rated Current	6.5A
Power Requirements	1-Phase AC220/230/240V 50/60Hz 8A
Power Consumption(Heat output)	990W (851kcal/h)
Breaker	Rated breaking current : 7.5A
Protection Against Electric Shock	Class I
Dimensions (except protruding portion)	462W x 542D x 884Hmm (table height : 776Hmm)
Net Weight	124kg
Environmental Requirements	Ambient temperature range:10 to 35°C, Relative humidity:30 to 85%, Atmospheric pressure:700 to 1,060hPa, Intended exclusively for use indoors, Overvoltage category: II, Pollution degree: 2
Accessories Included	<ul style="list-style-type: none"> • Operator's manual x1 • Warranty Card x1 • BART Cord table x1 • Clear storage case for operator's manual x1 • Attaching screw for clear storage case x1 • Power cord x1 • Spanner x1 • Level gauge x1 • Rotor locking knob x1 • Drain plug x1

Sales Office:



TOMY DIGITAL BIOLOGY CO., LTD.

3-14-17 Tagara, Nerima-ku, Tokyo 179-0073, Japan
e-mail: info@digital-biology.co.jp
URL: http://www.digital-biology.co.jp
phone: +81-3-5971-8160 fax: +81-3-3970-6036

TOMY SEIKO CO., LTD.

Manufacturer:

TOMY KOGYO CO., LTD.

3-14-17 Tagara, Nerima-ku, Tokyo 179-0073, Japan

All TOMY products have a limited one-year warranty.
Specifications are subject to change according to product advancement.
Tomy and Digital Biology is registered trademark of Tomy Seiko Co.,
Ltd. and Tomy Digital Biology Co., Ltd. Copyright 2016,
Tomy Seiko and its subsidiaries. Printed in Japan.

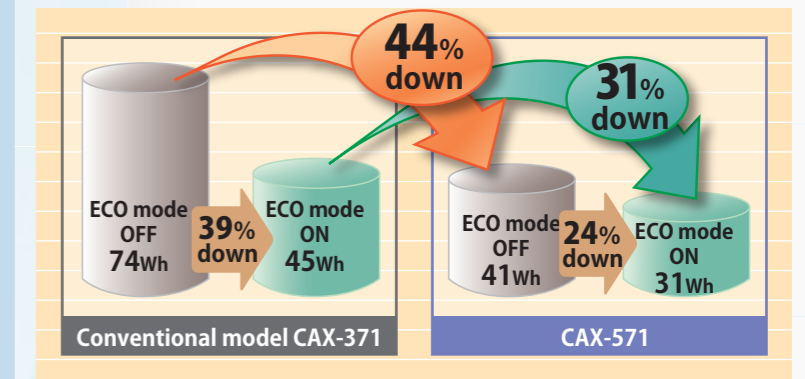
Hybrid Refrigerated Centrifuge CAX-571

ECO mode



TOMY CAX-571 new model is equipped with the power-saving [ECO] mode, reducing standby power consumption.

An overall increase in cooling efficiency allows for drastic reduction in energy usage during normal operation.



Measurement conditions: Set to 4°C at an ambient temperature of 25°C while centrifugation is stopped. (Rotors in use: CAX-571: TS-7C+7215-06)
The values shown above are average values obtained by measuring the units.



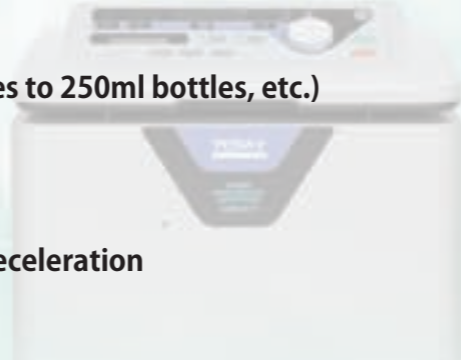
www.digital-biology.co.jp

TOMY

CAX-571

Flexible & High Performance

- High Speed Fixed Angle Rotor Available (MAX. 15,000 rpm)
- Various Tubes & Micro/Deep-well Plates Available (From Microtubes to 250ml bottles, etc.)
- Easy Rotor Mount with One-push Rotor Locking Knob
- Eye Balance Sample Load Available by Flex-spin-drive System
- Each Three (3) Acceleration and Deceleration Steps with Natural Deceleration
- Compact design for minimum space requirement
- Easy to See and Operate Control Panel with Jog Dial and Dual Color LED Display
- Compatible Rotor Line-up with TOMY AX/NIX/LCX-Series Centrifuges

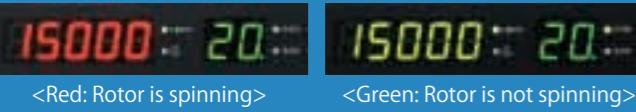


Easy to See and Operate Control Panel

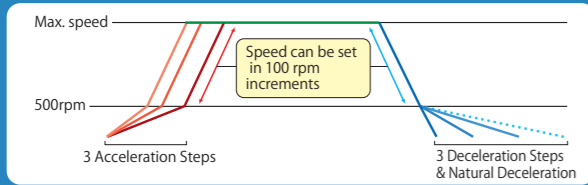
Popular user-friendly Jog Dial with an <ENTER> button enables setting to be changed more quickly and surely.



Dual Color LED Display



Acceleration and Deceleration Characteristics



One-push Rotor Locking Knob

With a single knob push, the rotor can be quickly and securely fixed. *Some rotors are excepted.



To mount the rotor

Place the locking knob on the shaft and secure the rotor to the shaft by pressing the red snap on the locking knob down the shaft until it "clicks".



To dismount the rotor

Pull the locking knob out from the shaft, while holding down the red snap on the top.

Fixed Angle Rotors

Rotor Type & Model	Max. Speed (rpm)	Max. RCF (G)	Rotor Capacity ml (bottom shape) × number (R) : Round, (C) : Conical	Note
CA-1	15,000	17,860	2 × 18	Microtube
CA-4HS ^{HS} *1	15,000	19,120	50 (R) × 4	NAL
CA-5	15,000	21,130	14 (R) × 4	FLC
CA-6	15,000	21,130	2 × 18 (Outer line) 2 × 18 (Inner line)	Microtube
CA-8 *1	14,000	18,410	50 (C) × 4	Conical tube
CA-10	13,500	17,730	15 (C) × 4	Microtube
CA-12	15,000	20,630	2 × 24	TOM *2
CA-14HS ^{HS} *1	15,000	21,130	50 (C) × 4	Conical tube
		16,860	5 (R) × 4	FLC *3
CA-15	15,000	19,120	2 × 18 (Outer line) 0.5 × 12 (Inner line) 0.2 × 12 (Middle line)	Microtube
CA-16	13,100	20,150	50 (C) × 8	Conical tube *4
		19,190	15 (C) × 8	

● The above specifications show the maximum value of speed, RCF(G) and sample capacity. These values may change according to the combination of rotor, bucket, adapter and tubes.

Swing - Out Rotors

Rotor Type & Model	Bucket	Tube Rack	Max. Speed (rpm)	Max. RCF (G)	Rotor Capacity ml (bottom shape) × number (R) : Round, (C) : Conical	Note
TS-4C	S4096-02	—	1,800	510	Microplate × 4 *5	Plate size up to 128.5L × 86D × 32Hmm
	6150-01	—	5,000	3,860 3,890	50 (R) × 4, 15 (R) × 4 *6 50 (C) × 4 *7	Glass Conical
TS-6C	6015-02	—	3,800	2,230	15 (R)(C) × 8	Glass, Conical tube
	7015-06	—	3,600	2,320	15 (R) × 24, 15 (C) × 16 *8	Glass, Conical tube
	7215-06	—	3,600	2,430	15 (R)(C) × 24	
	7015-08	—	3,500	2,190	15 (R) × 32, 15 (C) × 16 *8	
	7050-01	—	4,000	2,810	50 (R)(C) × 4, 15 (R) × 4 *6 *7	
	7150-01	—	5,000	4,670	50 (R)(C) × 4, 15 (R) × 4 *6 *7	Veno-Ject II tube 5ml (TER) FLC *3
	7050-02	—	3,500	2,150	50 (R)(C) × 8, 15 (R) × 8 *6 *7	
	B407	0705-10P 0705-FA10P	—	3,100 3,100	1,670 1,670	5 (R) × 40
SC-2	—	1,600	420	8 × 4	8 × 4	Floating cell collection bucket
TS-33C	B433 *9	3305-07P	4,200	2,900	5 (R) × 28	Veno-Ject II tube 5ml (TER)
		3307-07P	4,100	2,990	7 (R) × 28	Veno-Ject II tube 7ml (TER)
		3314-04P	4,000	2,990	14 (R) × 16	FLC
		3315-G07P	4,700	3,980	15 (R) × 28	Glass, PAX gene blood collection tube
		3315-TC04P	4,700	4,130	15 (C) × 16	Conical tube
		3350-TC01P	4,700	4,130	50 (C) × 4	
		3350-G01P	4,700	3,980	50 (R) × 4	Glass
		—	4,700	4,170	250 (F) × 4	NAL
		—	4,700	4,170	225 (C) × 4	FLC *10 *11
		—	4,700	4,170	175 (C) × 4	FLC *10
		Bucket cap kit B433 ^{HS} *9	—	—	—	—
TS-41C	Bucket, Adapter and Bucket Cover are included.	—	4,500	3,150	Deep-well plate × 4 *5 *12 Microplate × 8 *5	Plate size up to 128.5L × 86D × 90Hmm *12 Plate size up to 128.5L × 86D × 58Hmm
CS-1	M0415-04	—	15,000	18,370	2 × 16	Microtube
	M0406-05	—	15,000	17,860	1.5 × 16	
	M0404-09	—	15,000	16,100	0.5 × 20	
			19,880	16,610	0.4 × 36	
					0.25 × 36	

Tubes other than stated above are also available. As for details, please contact your local dealer.

Wide Variety of Rotors

CA-1
2ml × 18
15,000rpm : 17,860G

CA-10
2ml × 24
13,500rpm : 17,730G

CA-15
Outer line 2ml × 18
15,000rpm : 19,120G
Inner line 0.5ml × 12
15,000rpm : 14,840G
Middle line 0.2ml × 12
15,000rpm : 13,080G

CA-5
2ml × 24
15,000rpm : 21,130G

CA-6
2ml × 36
Outer line 18
15,000rpm : 21,130G
Inner line 18
15,000rpm : 18,620G

CA-12
5ml × 12
15,000rpm : 20,630G

CA-8
50ml × 4
14,000rpm : 18,410G
or 15ml × 4
14,000rpm : 17,750G

CA-14HS
50ml × 4
15,000rpm : 21,130G
or 5ml × 4
15,000rpm : 16,860G

CA-4HS
50ml × 4
15,000rpm : 19,120G
or 14ml × 4
15,000rpm : 17,360G

CA-16
50ml × 8
13,100rpm : 20,150G

TS-4C
Microplate × 4
1,800rpm : 510G

TS-6C
50ml × 4
5,000rpm : 3,890G

TS-7C
15ml × 32
5,000rpm : 4,670G

TS-33C
250ml × 4
4,700rpm : 4,170G

TS-41C
Deep-well plate × 4
4,500rpm : 3,150G *12

CS-1
2ml × 16
15,000rpm : 18,370G
0.5ml × 20
15,000rpm : 16,100G
0.25(0.4)ml × 36
15,000rpm : 19,880G

■ Manufacturer Abbreviation TOM: TOMY SEIKO CO., LTD. FLC: Falcon/CORNING INTERNATIONAL CORP. COR: CORNING INTERNATIONAL CORP. NAL: NALGENE/Thermo Fisher Scientific K.K. TER: TERUMO CORPORATION

- *1 : Do not load different type of tubes at the same time. *2 : TOMY 5ml conical tube, PT0050-11. Please contact us for Eppendorf 5ml tube. *3 : Falcon 5ml FACS tubes.
- *4 : For use with 15ml conical tubes, an optional Adapter CA1500-01 is required. *5 : Confirm that the plate can withstand centrifugal force before use.
- *6 : For 15ml tubes, an adapter A1500-04 is required. *7 : For conical tubes, an adapter IW9330-050 is required. *8 : Use only four holes in the center of the bucket (15ml × 4) for use with conical tubes.
- *9 : An optional bucket cap kit B433 is available for use as a sealed bucket. *10 : An optional conical Tube Adapter (Falcon Tube Cushion, Cat. No.352090) is required.
- *11 : Falcon 225ml tube can not be used Bucket cap kit B433. *12 : 2 deep-well plates (up to 128.5L × 86D × 80Hmm) are available with bucket cover.

^{HS} This bucket, which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.
^{HS} It adopted a hermetically sealed structure equivalent to ^{HS} bucket or rotor designed and tested in accordance with the International Standard (Annex AA of the IEC 61010-2-020) to offer excellent sealing performance.