

# E-C15-24.2P2R

## Refrigerated High Speed Micro Centrifuge

### Features

- Electronic Magnetic door locking system - the lid can be closed with one hand soft touch
- Pre-cooling, the compressor automatically starts cooling as long as the set temperature is lower than the ambient temperature
- Sound indicator at the end of running
- Temperature range -20°C to 40°C
- Short pre-cooling time of only 7 minutes from room temperature to 4°C
- Up to 9 program storage capacity
- 3-layer sealed rotors ensure safe centrifugation
- High-strength aluminum alloy rotor is fully autoclavable at 121°C
- Adjustable acceleration/deceleration at 9 levels allows gentle braking at low speed for better separation
- Five rotor options 0.2mL, 0.5mL, 1.5mL, 2mL and 5mL centrifuge tubes/ PCR tubes capacity
- An external condensation tank prevents water accumulation within centrifuge chamber
- Includes E-CFR-24.2S rotor which is 24 x 1.5/2ml bio-sealed



### Applications

Ideal for centrifugation of temperature sensitive samples, such as live cells or proteins. It allows them to be used in a multitude of applications, including pelleting of DNA and RNA samples, pelleting of PCR amplified nucleic acids, separation of antibody and protein precipitates, performing enzymatic tests, removing cell debris from cell homogenates, and achieving bacterial and yeast cell fractionation.

Specifications	E-C15-24.2P2R
Speed range	200-15000rpm, increment: 100rpm
Max. RCF	21380×g, increment: 10×g
Temperature range	-20°C to 40°C
Rotor options	24 x 1.5/2mL, 36 x 0.2/0.5mL, 4 x PCR-8 Strips, 12 x 5mL (cone bottom), 18 x 5mL (round bottom)
Run time	30sec-99min, HOLD [Continuous]
Door lock	Electronic, motorized
Motor	Brushless DC
Display	LCD
Program storage capacity	9
Safety Device	Door interlock, Over speed detector, Over temperature detection, Rotor imbalance alarm, Automatic internal diagnosis
Acceleration/Deceleration	25s↑25s↓
Refrigerant	R290
Power requirements	Single phase, 200V-240V, 50Hz/60Hz, 500W 100V-120V, 50Hz/60Hz, 500W
Dimensions (WxDxH)	332mm x 553mm x 283mm
Weight	30kg
Certification	CE, cTÜVus, FCC
Noise	≤56dB
Permissible ambient conditions	5-32°C, 80%RH
Advanced Features	Speed/RCF switch, PULSE (Short-time run function), Sound-alert, Inching operation, running process indicator, adjustable acceleration/deceleration at 9 levels, program storage capacity

## E-C15-24.2P and E-C15-24.2P2R Bio-Sealed Rotors



Specifications	E-CFR-24.2S
Type	Fixed angle rotor
Max speed	15000rpm
Max RCF	21380xg
Capacity	24 x 1.5-2ml
Material	Aluminium (Rotor & Lid)
Bio-sealing	Yes
Optional adapters	E-CRA-2A05 (24 pcs/pk) E-CRA-2A02 (24 pcs/pk)



Description	0.2ml	0.5ml	1.5-2ml
Ø × L (mm)	6.2 x 21.5	7.8 x 31	11 x 42
Tube			
Tubes per rotor	24	24	24
Adapter picture			-
Adapters	E-CRA-2A02	E-CRA-2A05	-

E-CFR-18.5S	Specifications	
	Type	Fixed angle rotor
	Max speed	15000rpm
	Max RCF	21380xg
	Capacity	18 x 5ml Round Bottom
	Material	Aluminium (Rotor & Lid)
	Bio-sealing	Yes

E-CFR-12.5CS	Specifications	
	Type	Fixed angle rotor
	Max speed	15000rpm
	Max RCF	21380xg
	Capacity	12 x 5ml (16.5 x 59.4mm) Conical Bottom
	Material	Aluminium (Rotor & Lid)
	Bio-sealing	Yes

E-CFR-36.05CS	Specifications	
	Type	Fixed angle rotor
	Max speed	15000rpm
	Max RCF	21380xg
	Capacity	36 x 0.5ml 36 x 0.2ml
	Material	Aluminium (Rotor & Lid)
	Bio-sealing	Yes
	Optional adapters	E-CRA-05A02 (36 pcs/pk)

E-CFR-4.8PCRS	Specifications	
	Type	Fixed angle rotor
	Max speed	15000rpm
	Max RCF	21380xg
	Capacity	4 x 0.2ml PCR 8 Strips 32 x 0.2ml PCR Tubes
	Material	Aluminium (Rotor & Lid)
	Bio-sealing	Yes

**NOTE:** The tube dimensions are purely an indication as tube types and sizes vary.