



Centrisart® G-16C

Refrigerated All Purpose Centrifuge

Advantages

- High capacity
- Multifunctional – for universal use in the lab
- Suitable for all laboratory applications
- Volume | capacity: 4 × 400 ml | 1,600 ml



Product Description

The refrigerated Centrisart® G-16C bench top centrifuge was specifically developed for high-capacity, cell culture applications. This centrifuge also has the option of high speed of 15,300 rpm which allows it to be also used for molecular biology applications. The low profile and damping system lets the centrifuge fit on every laboratory bench top and ensures operation to be quite, simple and comfortable. Centrisart® G-16C comes with different rotor options to accommodate almost all vessel types, which can be used for low to high throughput.

The Centrisart® G-16C is multi-functional and can be used for nearly every application. Its high capacity is perfectly suited for cell harvesting in the field of cell culture, fermentation or high-throughput applications in molecular biology and protein purification.

Applications for concentrating samples via ultrafiltration, e.g., antibody solutions, sample deionization or buffer adjustment, as well as the removal of contaminants with small or very large molecular weights.

To ensure this centrifuge is suitable for every application there is a strong compressor which supplies fast cooling of samples and protects them from heat; as well as aluminum rotor which promote optimal cooling.

When working with samples that cannot be churned up, a gradual deceleration curves ensures gentle deceleration and prevents sample from mixing. This function is also beneficial when working with microtiter plates.

The ergonomic design, low profile and extremely quiet noise level makes it easy to set up the centrifuge, simplifies sample loading and unloading as well as allows extremely quiet noise level even at peak output.

The Centrisart® G-16C is an extremely high quality product and meets the highest safety standards. It comes with a secure lid that electronically locks and rotor cover caps that protect against aerosol emissions. The centrifuge also has an automatic rotor detection which prevents mix-ups and an imbalance control sensor which prevents it from starting samples exhibiting deviating weights.

Technical Specifications

Max. speed rpm	15,300
Max. capacity	4 × 400 ml
Max. gravitational field	21,460 g
Min. speed rpm	100
Temperature range	-10 to +40°C
Temperature increments	Adjustable in increments of 1°C
Quick cooling	Quick cool program, guaranteed 4°C at max. speed; rotor cooling even possible during downtimes
Display	Concise display, backlit keys
Coolant	CFC-free (R134a)
Control panel	Easy, 1-button intuitive operation
Motor	Maintenance-free, brushless drive motor
Lid-lock release	Electromechanical locked lid, automatic lid-lock release
Lid	Inspection window for independent speed measurement, easy-to-open lid port
Rotor	Rotor detection for fixed angle rotors, swinging rotors
Rotor chamber	Stainless-steel
Imbalance safety mechanism	Automated imbalance control
Programs	50
Acceleration curves	10
Deceleration curves	10
Rotor safety	Automatic detection, cycle counting of the rotors
Dimensions (W × D × H)	630 × 600 × 355 mm
Height with open lid	785 mm
Weight	78 kg
Noise level at max. speed	<57 dB

Electrical connection data

Power consumption	1010 W
G-16C-1EU	220 – 240 V; 50 60 Hz
G-16C-1US	110 – 120 V; 60 Hz
G-16C-1JP	100 V; 50 60 Hz

Accessories

Order number	Description
YCSR-A5B	Angle rotor 6 × 50 ml, for vessels made of plastic or stainless-steel Ø 28.5 x 101.5 mm, with hermetically sealed aluminum lid
YCSR-A6B	Angle rotor for 24 × 1.5- 2 ml reaction vials, with hermetically sealed aluminum lid
YCSR-A7B	Angle rotor 4 × 80/85 ml, for vessels made of plastic or stainless-steel Ø 38 × 103 mm, with hermetically sealed aluminum lid
YCSR-A8B	Angle rotor 6 × 85 ml for vessels made of plastic or stainless-steel Ø 38 × 112 mm, with hermetically sealed aluminum lid
YCSR-S2B	Swinging rotor, 4 inserts, for buckets B8Bdia85mmS2B
YCSR-S6B	Complete set – swinging rotor including carriers for microtiter plates and caps. Max. height 55 mm; max. load per carrier 290 g
YCSB-B8B	Round bucket, sealable with cap, for round carriers Ø 85 mm, A2Bxxxx to A8Bxxxx, and 400 ml bottle, max. vessel length approx. 110 mm, 1 set = 2 pcs.
YCSA-C3B	Round carrier for five 15-ml culture tubes, max. Ø 23 mm, 1 set = 2 pcs.
YCSA-C4B	Round carrier for three 50-ml culture tubes, 1 set = 2 pcs.
YCSA-C5B	Round carrier for 1 flat-bottom bottle (approx. 250 ml), max. Ø 61,5 × 90 - 125 mm, 1 set = 2 pcs.
YCSA-C6B	Round carrier for twenty 1.5 2.0 ml reaction vials, max. Ø 11 mm, 1 set = 2 pcs.
YCSA-C7B	Round carrier for nine 15-ml culture tubes, caps, max. Ø 23 mm, 1 set = 2 pcs.
YCSA-C8B	Round carrier for four 50-ml culture tubes (without caps), 1 set = 2 pcs.
YCSM-B8B	Round locking cap for buckets B8Bdia85mmS2B
YCST-G16C	Centrifuge table made of painted steel housing with 2 doors and room for accessories, moveable, with locking castors W 650, D 647, H 497 mm for G16C

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