

# HIGH SPEED COOLING CENTRIFUGE

## IG-243R



**IGENE LABSERVE**

Innovative • Interactive • Intuitive

# FEATURES & SPECIFICATIONS

## DESCRIPTION

A centrifuge is a device that separates different components of a fluid using centrifugal force. This is accomplished by spinning the fluid at a high speed inside a container, separating fluids of differing densities or liquids from solids. It operates by making denser substances and particles to migrate in a radial direction outward. iGene High Speed Centrifuge comes with a microprocessor-based LED display and offers a speed ranging from 1000 to 16000 rpm.

## FEATURES

- ✚ Brushless motor, high torque, free maintenance, no carbon powder pollution, quick acc and dec speed profile.
- ✚ Fluorine free compressors with double cooling cycle with precise temperature control.
- ✚ Microprocessor control, touch display which indicates the temperature, speed, time, RCF in operation,
- ✚ Quick speed acceleration and deceleration cycle.
- ✚ Running parameter can be edited, very simple to operate.
- ✚ 100 programs can be stored in the memory and it has 10 steps in each program can be saved, 10 kinds of accelerating and decelerating speed for your choice.
- ✚ Automatically electric lid lock, over speed, over temperature protection and imbalance detection and protection.
- ✚ High quality powder coated steel exterior, inner chamber of corrosion resistant stainless steel with built-in explosion-proof sleeve of 3 tiers protection makes it extremely safe and reliable.
- ✚ Simple and quick loading of rotor without any direction mark through specialized taper sleeve to spindle and it has automatic rotor detection system.
- ✚ High quality dampers for best centrifugal results, it has automatic solenoid draining valve.



## TECHNICAL SPECIFICATIONS

Specifications	Parameters
Max. Speed	16000rpm
Max. RCF	20600×g
Max. Capacity	6×100ml
Time Range	1~99h59min
RPM/RCF Convert	Yes
Noise (dB)	≤ 58
Temperature	-20°C~+40°C
Acc/Dec	10 Kinds
Speed Accuracy	±20r/min
Voltage(V/Hz)	AC 220V 50HZ
Temperature Accuracy	±1°C
Size (L x W x Hmm)	513×370×320mm
Net Weight(Kg)	84KG
Certificates	CE,ISO



## AVAILABLE ROTORS

No	Type	Max. Speed	Max RCF	Max Vol.
447	Angle	14000	12070	4×8PCR
448	Angle	13000	16080	6×8PCR
449	Angle	14000	13390	8×8PCR
450	Angle	13000	17220	12×8PCR
416	Angle	15000	18510	30X0.5ml
402	Angle	14000	19970	40X0.5ml
401	Angle	16000	17940	12X1.5/2.0ml
403	Angle	15000	20600	24x1.5/2.0ml
404	Angle	13500	19340	30x1.5/2.0ml
444	Angle	11000	12840	48x1.5/2.0ml
405	Angle	15000	19350	16x5ml
417	Angle	11000	13950	16x10ml
406	Angle	14000	16370	12x7ml
415	Angle	14000	16460	6x10ml
408	Angle	12000	14510	12x10ml
455	Angle	11000	12730	8x15ml
407	Angle	10000	11840	12x15ml
639	Angle	5000	3080	24x15ml
627	Angle	5000	3830	30x15ml
409	Angle	12000	14510	8x20ml
410	Angle	12000	14000	6x30ml
411	Angle	11000	13480	6x50ml
412	Angle	10000	10810	6x70ml
413	Angle	10000	10310	4x100ml
414	Angle	8000	7280	6x100ml
453	Angle	11000	13560	4x85ml
480	Swing	15000	19920	4x5ml
437	Angle	12000	15800	24 Capillary
607	Plate	4000	2300	2x3x48well

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