

# Tabletop Large Capacity Refrigerated Centrifuge

## GTR21L



Max speed	21000 RPM
Max RCF	29060 RCF
Max Capacity	4x750 ml (3 lit)
Temperature Range	-20°C to 45°C
Temperature Accuracy	±1°C



GTR21L is designed as the multi-function centrifuge, which can hold all the swing rotors from small capacity to large capacity, and all the high speed fixed rotors and low speed fixed rotors, The large selection of rotors and adapters are available, a software allows the operator to control the centrifugation parameters easily, and the graphics shown on the TFT touch colourful screen provide the user with an easy-to-handle machine and an ally in the daily tasks.

GTR21L allows you to control the rates of acceleration & deceleration from 1~10 profiles, you can quickly recall up to 99 daily-use programmable operations with RCF value calculated automatically.

**Features:**

- Induction motor maintenance free.
- Controlled by microprocessor
- Noise level lower than 60 db.
- Coded rotor recognition.
- Screen shows max. rpm, max. rcf and max. capacity, avoiding exceeding the maximum speed.
- Temperature ranges from -20 °C to + 40 °C
- Lid open programmable: automatically at the end of the run or pressing the lid button.
- RPM/RCF adjustable along the run.

**Use friendly**

- TFT touch screen colorful.
- RPM regulation on steps of 100, time from 1 to 99 minutes
- Up to 99 programs on store.
- Countdown start at set RPM /RCF, allowing reproducible results.
- Screen shows the values or graphics of set and updated. A
- Lid latch motorized.
- Rotors information on memory.
- Touch selection directly.

**Safety**

- With initial checking of the device and its accessories.
- Stainless steel chamber with additional inner guard ring.
- Lid dropping protection
- Imbalance cut off.
- Double manual emergency lid release.
- It cannot run with the lid open, neither open the lid when rotor runs.
- Temperature probe inside the chamber of centrifugation, refrigerant R134a (libre CFC)

Specification			
Speed range(rpm)	0-21000rpm adjustable	RCF (xg) range	0-29060xg adjustable
Max Capacity(ml)	4*750ml (3 lit)	Time range	1-99 minutes 59s adjustable 99 hrs, 59min adjustable (Optional)
Speed accuracy	±20r/min	Temp. range (°C)	-20°C to +40°C adjustable
Noise(dBA)	≤60dB(A)	Temp. accuracy	±1°C
Dimension(mm)	735*660*390mm	Net eight (w/o rotor)	96 Kg
Acceleration/ Deceleration	1-10 rate	Nos of Programs	29 nos
Centrifugal chamber diameter	∅ 420 mm	Power supply	AC220-240V,50/60HZ, 16A,1.8KW

## Matched Rotors with GTR21L Centrifuge

(Customized rotors are available)

No.	Item (Cat. No.)	Max. capacity	Max.speed	Max.RCF
 NO:01	Angle rotor GTR21L/212x1.5mlFAR	12 × 1.5/2.2ml	21000r/min	29060xg
 NO:02	Angle rotor GTR21L/8x5mlFAR	8 × 5ml	18000r/min	23180xg
 NO:03	Angle rotor GTR21L/24x1.5mlFAR	24 × 1.5/2.2ml	15000r/min	20620xg
 NO:04	Angle rotor GTR21L/12x10mlFAR	12 × 10ml	14000r/min	18620xg
 NO:05	Angle rotor GTR21L/48x1.5mlFAR	48 × 1.5/2.2ml	14000r/min	20370xg
 NO:06	Angle rotor GTR21L/8/10x15mlFAR	8/10 × 15ml	14000r/min	19940xg
 NO:07	Angle rotor GTR21L/6x50mlFAR	6 × 50ml	13000r/min	17040xg
 NO:08	Angle rotor GTR21L/12x15mlFAR	12 × 15ml	13000r/min	18700xg

No.	Item	Max. capacity	Max.speed	Max.RCF
 NO:09	Angle rotor GTR21L/4x100ml FAR GTR21L/4x50/15ml RED GTR21L/6x100ml FAR GTR21L/6x/50/15ml RED	4 x 100ml 6 x 100ml	13000r/min 10000r/min	18130xg 12610xg
 NO:10	Angle rotor GTR21L/6x50mlFAR(Z)	6 × 50ml (Z)	12000r/min	15610xg
 NO:11	Angle rotor GTR21L/8x50mlFAR	8 × 50ml	12000r/min	16740xg
 NO:12	Angle rotor GTR21L/4x250mlFAR	4x250ml	10000r/min	12610xg
 NO:13	Swing rotor GTR21L/4x500mlSOR	4 × 500ml	4000r/min	2950xg
	Adaptor GTR21L/64x5/2mlRED	64 × 5/2ml	4000r/min	2950xg
 NO:14	Swing rotor GTR21L/4x750mlSOR	4 × 750ml	4000r/min	2950xg
	Adaptor GTR21L/96x5/2mlRED	96 × 5/2ml	4000r/min	2950xg
 NO:15	Microplate rotor GTR21L/2x4x96MPR	2 × 4 × 96holes	4000r/min	2100xg