

Refrigerated Centrifuge - (5000 RPM)

- RPM/RCF 5000/4730xg
- Temp. Range -20°C ~ 40°C
- Maximum Capacity 4 x 800 ml



Advantages

Multiple rotor compatibility in a single system

Rapid acceleration and deceleration profiles

Energy-efficient, low-noise refrigeration

Intuitive interface for easy programming

Reliable performance with extended lifespan

The Refrigerated Centrifuge (5000 RPM) is a high-performance, versatile instrument designed for precise and efficient sample separation across a wide range of laboratory applications. Equipped with multiple rotor configurations, it offers maximum flexibility for processing various tube sizes and sample volumes under controlled temperature conditions.

This centrifuge ensures superior temperature stability, quiet operation, and user-friendly digital controls — making it ideal for use in research, clinical, pharmaceutical, and biotechnological laboratories.

Features :

- Maximum Speed: Up to 5000 RPM
- Maximum RCF: Up to 5000 × g (depending on rotor type)
- Temperature Range: -20°C to +40°C, ensuring optimal sample protection
- Display: Large LCD / Digital touch screen for speed, time, and temperature settings
- Drive System: Maintenance-free, brushless induction motor for smooth and silent operation
- Safety: Automatic imbalance detection, lid lock protection, and over-temperature safeguards
- Control System: Microprocessor-controlled for accurate speed and temperature regulation
- Refrigeration: CFC-free, energy-efficient refrigeration system
- Rotor Configurations
 - Swing-Out Rotor (4 x 800 ml)
 - Suitable for large volume processing
 - Ideal for blood banking, cell culture media, and sample preparation
- Microplate Rotor
 - Accommodates up to 2 or 4 microplates
 - Designed for ELISA and PCR applications
- Angle Rotor (24 x 15 ml) Suitable for routine laboratory use, including clinical and biochemical separations
- Angle Rotor (6 x 50 ml) Ideal for cell harvesting, protein precipitation, and nucleic acid extraction

Scope of Application

Clinical diagnostics and pathology labs

Molecular biology and biotechnology

Pharmaceutical and chemical research

Environmental and food testing laboratories

Cell culture and microbiology

Technical Specifications :

Model No.	726-5512	
Max.RPM/RCF Fixed Angle	5000/4730xg	
Max.Capacity	4x800 mL	
Speed Accuracy	±20r/min	
Timer	1~9h/59min	
Temp. Range	-20 °C ~ 40°C	
Speed Accuracy	±20r/min	
Temperature Accuracy	±1°C	
Noise level (dB)	< 65dB	
Power supply	AC 220V 50HZ 7A	
Dimension (L×W×H, mm)	720 x 540 x 830 mm	
Weight without rotor (kg)	170 kg	
Certificate	CE, ISO 9001, ISO 13485	

Rotors :

Order No.	Rotor	Max speed (rpm)	Max Volume (ml)	Max RCF (g)
5512-71	Swing Out Rotor	4000	4x800ml (round cup)	3,450
5512-79	Swing Out Rotor	4000	4x500ml (square cup)	3,450
5512-96	Swing Out Rotor	4000	4x500ml (round cup)	3,530
5512-77	Swing Out Rotor	5,000	4x50ml, 4x100ml	4,730, 4730
5512-92	Swing Out Rotor	4000	4x30x7ml, 4x40x7ml, 4x18x10ml	3,140, 3,270, 3,140
5512-91	Mircoplater rotor	4,000	2x4x96well	2,910
5512-94	Microplater rotor	4,000	4x4x96well	2,940
5512-27	Angle Rotor	5,000	30x15ml	3,830
5512-41	Angle Rotor	5,000	12x50ml	3,860
5512-42	Angle Rotor	4,000	24x50ml	2,970
5512-14	Angle Rotor	5,000	6x100ml	3,130
5512-43	Angle Rotor	4,000	12x100ml	2,970