GENAXY®

TurboSpin GC/GCR-100ML

HIGH-SPEED REFRIGERATED CENTRIFUGE



UP TO 6 x 100 ML WITH FLEXIBLE ROTOR OPTIONS

VERSATILITY BY DESIGN

POWERED FOR PERFORMANCE

A versatile refrigerated platform for high-speed research, clinical, chemistry and hospital workflows.

18,500	23,990	-20 to 40 C	6 x 100 ml
Max rpm	Max RCF x g	Temperature	Max capacity

Speed. Capacity. Temperature control.

Programmable methods | Low-noise operation | Advanced safety protection

ENGINEERED FOR DEPENDABLE WORKFLOWS

Performance without compromise

Designed for rapid, temperature-controlled separation with intuitive operation and broad rotor compatibility.



INTUITIVE TOUCHSCREEN CONTROL

Microprocessor control with LCD touchscreen display of speed, RCF, time and temperature.

PROGRAMMABLE METHODS

Stores up to 100 programs for consistent and reproducible workflows.

PRECISION DRIVE SYSTEM

Maintenance-free brushless frequency motor delivers high torque, rapid response and clean operation.

CONTROLLED ACCELERATION

Ten selectable acceleration and deceleration profiles protect sensitive samples.

ADVANCED REFRIGERATION

Fluorine-free cooling maintains 4 C at maximum speed and reaches 4 C from ambient within 10 minutes.

COMPREHENSIVE PROTECTION

Electric lid lock, imbalance, overspeed and overtemperature protection with self-diagnostic alerts.

ROBUST CONSTRUCTION

High-quality painted-steel body with corrosion-resistant SS 304 stainless-steel chamber.

VERSATILE OPERATION

RPM/RCF conversion, short-spin function and optional automatic rotor recognition.

TWO CONFIGURATIONS. ONE PERFORMANCE PLATFORM.

Technical specifications

Side-by-side comparison of refrigerated and non-refrigerated configurations.



PARAMETER	GCR-100ML	GC-100ML
Maximum speed	18,500 rpm	18,500 rpm
Maximum RCF	23,990 x g	23,990 x g
Maximum capacity	6 x 100 ml	6 x 100 ml
Time range	1 min to 99 h 59 min 59 s	1 min to 99 h 59 min 59 s
RPM / RCF conversion	Yes	Yes
Noise level	<= 60 dB	<= 50 dB
Acceleration / deceleration	10 selectable levels	10 selectable levels
Speed accuracy	+/- 20 rpm	+/- 20 rpm
Temperature range	-20 C to 40 C	NA
Temperature accuracy	+/- 1 C	NA
Refrigeration system	Fluorine-free compressor	NA
Dimensions(wxdxh)	650 x 680 x 400 mm	550 x 680 x 400 mm
Net weight	90 kg	35 kg
Power supply	AC 220 V / 110 V, 50/60 Hz	AC 220 V / 110 V, 50/60 Hz
Chamber	SS 304 stainless steel	SS 304 stainless steel
Program storage	Up to 100 programs	Up to 100 programs

CONFIGURATION NOTE

All specifications are identical except the temperature-control and refrigeration parameters shown above.

Automatic rotor recognition is available as an optional feature.

ONE PLATFORM. BROAD COMPATIBILITY.

Swing Out Rotor Options

Select the appropriate rotor according to vessel format, capacity, speed and RCF requirement.



GCR18A-1 — **MICROPLATE - FRAME**

SPEED	VOLUME	RCF
4,000	2 x 3 x 96 well	2,020



GCR18A-2 — **MICROPLATE - BOX**

SPEED	VOLUME	RCF
4,000	2 x 3 x 96 well	1,980



GCR18A-3 — **4 x 50 ML SWING**

SPEED	VOLUME	RCF
5,000	4 x 1 x 50 ml	4,420



18A-4 — **4 x 100 ML SWING**

SPEED	VOLUME	RCF
5,000	4 x 1 x 100 ml	4,420



GCR18A-5 — **4 x 2 x 50 ML SWING**

SPEED	VOLUME	RCF
4,000	4 x 2 x 50 ml	2,820



GCR18A-6 — **4 x 4 x 15 ML SWING**

SPEED	VOLUME	RCF
4,000	4 x 4 x 15 ml	2,820



GCR18A-7 — **4 x 6 VACUUM TUBE**

SPEED	VOLUME	RCF
4,000	4 x 6 x 10/7 ml va	2,580

ONE PLATFORM. BROAD COMPATIBILITY.

Fixed Angle Rotor Options

Select the appropriate rotor according to vessel format, capacity, speed and RCF requirement.



GCR18A-12 — **40 x 0.5 ML**

SPEED	VOLUME	RCF
14,000	40 x 0.5 ml	19,960



GCR18A-13 — **12 x 1.5/2 ML**

SPEED	VOLUME	RCF
18,500	12 x 1.5 ml	23,990



GCR18A-14 — **24 x 1.5/2 ML**

SPEED	VOLUME	RCF
15,000	24 x 1.5 ml	20,600



GCR18A-15 — **30 x 1.5/2 ML**

SPEED	VOLUME	RCF
13,500	30 x 1.5 ml	19,340



GCR18A-16 — **48 x 1.5/2 ML**

SPEED	VOLUME	RCF
11,000	48 x 1.5 ml	12,840



GCR18A-17 — **16 x 5 ML**

SPEED	VOLUME	RCF
15,000	16 x 5 ml	19,350



GCR18A-18 — **6 x 10 ML**

SPEED	VOLUME	RCF
14,000	6 x 10 ml	16,460



GCR18A-19 — **12 x 10 ML**

SPEED	VOLUME	RCF
13,000	12 x 10 ml	17,030



GCR18A-20 — **16 x 10 ML**

SPEED	VOLUME	RCF
11,000	16 x 10 ml	13,950



GCR18A-21 — **8 x 15 ML**

SPEED	VOLUME	RCF
11,000	8 x 15 ml	12,730



GCR18A-22 — **12 x 15 ML**

SPEED	VOLUME	RCF
9,000	12 x 15 ml	9,590



GCR18A-23 — **24 x 15 ML**

SPEED	VOLUME	RCF
5,000	24 x 15 ml	3,500



GCR18A-24 — **30 x 15 ML**

SPEED	VOLUME	RCF
5,000	30 x 15 ml	3,830



GCR18A-25 — **6 x 30 ML**

SPEED	VOLUME	RCF
12,000	6 x 30 ml	14,000



GCR18A-26 — **6 x 50 ML(conical)**

SPEED	VOLUME	RCF
12,000	6 x 50 ml	16,050



GCR18A-28 — **4 x 85 ML**

SPEED	VOLUME	RCF
11,000	4 x 85 ml	13,560



GCR18A-29 — **4 x 100 ML**

SPEED	VOLUME	RCF
10,000	4 x 100 ml	10,310



GCR18A-30 — **6 x 100 ML**

SPEED	VOLUME	RCF
8,000	6 x 100 ml	7,280



GCR18A-31 — **24 CAPILLARIES**

SPEED	VOLUME	RCF
12,000	24 capillaries	15,800



GCR18A-10 — **8 x 8 PCR**

SPEED	VOLUME	RCF
14,000	8 x 8 PCR	13,390



GCR18A-8 — **4 x 8 PCR**

SPEED	VOLUME	RCF
14,000	4 x 8 PCR	12,070



GCR18A-9 — **6 x 8 PCR**

SPEED	VOLUME	RCF
13,000	6 x 8 PCR	16,080



GCR18A-27 — **6 x 50ml (Round)**

SPEED	VOLUME	RCF
12000	6 x50ml	15,960



GCR18A-11 — **12 x 8 PCR**

SPEED	VOLUME	RCF
13,000	12 x 8 PCR	17,220

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