

CATALOGUE 2024-2025

DENSCOPE[®]

HIGH SPEED REFRIGERATED CENTRIFUGE

BENCH TOP STAND

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HIGH SPEED REFRIGERATED CENTRIFUGE

DENSCOPE®



TGL-20MB and TGL-20 is a compact bench-top microliter centrifuge for medical and biological research; molecular diagnostics, biochemistry, immunology and cell technologies. It can be used for extracting RNA/DNA samples, separation of cell suspensions and other micro quantitative analyses.

TGL-20MB

DENSCOPE®

Feature:

1. Stainless steel chamber with guarding ring.
2. Electronic safety lock prevent cover opening during centrifugation.
3. Manually lid open in case of failure or emergency.
4. Gas spring to prevent falling of lid.
5. Imbalance fault detection with auto shutdown
6. Pre-cooling during standstill. CFC free refrigeration system (refrigerant R404A or R134A).
7. Reliable drive system. Induction motor maintenance free.
8. Microprocessor control of all functions: speed, time, temperature, acceleration/deceleration, rcf, *program memory, error display.
9. RPM/RCF adjustable along with the run and value calculating automatically.
10. Comprehensive selection of rotors and adapters
11. Velocity hole provides a way of speed detection.
12. Produced according to national and international safety standard (e.g. IEC 61010).
13. ISO9001, ISO13485, CE international standards are met.
14. * Selectable: Lid open automatically at the end of run.



TGL-20MB



TGL-20

TECHNICAL SPECIFICATION

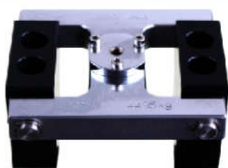
Model	TGL-20MB	TGL20
Screen	LCD COLOR Screen	LED Digital Screen
Max Capacity	4x100ML	
Max. Speed	20000rpm	
Max. RCF	27800xg	
Speed accuracy	±20 rpm	
Temp. Range	-20°C ~ +40°C	
Temp accuracy	±2°C	
Timer range	1min~99min59s	1min~99min
Acceleration/Deceleration	1~10/1~10	-
Program memory	NOT AVAILABLE	
Short spin function	NOT AVAILABLE	
Power supply	AC220V / 50~60Hz 15A	
Noise	<55db	
Machine body	PLASTIC-METAL BODY	METAL FRAME
Net weight (without rotor)	75KG	
COMPRESSOR	IMPORTED COMPRESSOR	
Gross weight	85kg	
Dimension	620×500×350mm(L×W×H)	
Package dimension	720×610×450mm(L×W×H)	

COMPATIBLE WITH

ROTOR LIST TGL-20MB/TGL-20

	No.1 Angle Rotor Max. Speed: 14000rpm Capacity: 4x8x0.2ml Max. RCF: 13500xg		No.2 Angle Rotor Max. Speed: 20000rpm Capacity: 12 x 0.5ml Max. RCF: 20380xg
	No.3 Angle Rotor Max. Speed: 14000rpm Capacity: 48 x 0.5ml Max. RCF: 20850xg		No.4 Angle Rotor Max. Speed: 20000rpm Capacity: 12x1.5ml/2.2ml Max. RCF: 27800xg
	No.5 Angle Rotor Max. Speed: 16000rpm Capacity: 24x1.5ml/2.2ml		No.6 Angle Rotor Max. Speed: 14000rpm Capacity: 48x1.5ml/2.2ml
	No.7 Angle Rotor Max. Speed: 16000rpm Capacity: 12 x 5ml Max. RCF: 19320xg		No.8 Angle Rotor Max. Speed: 15000rpm Capacity: 12 x 10ml Max. RCF: 19910xg

ROTOR LIST COMPATIBLE WITH **TGL-20MB/TGL-20**

	No.9 Angle Rotor Max. Speed: 10000rpm Capacity: 24x10ml Max. RCF: 11280xg ØxL:16x78mm		No.10 Continuous Rotor Max. Speed: 11000rpm Capacity: 12 x 15ml Max. RCF: 13935xg ØxL:16.5x103mm
	No.11 ANGLE Rotor Max. Speed: 14000rpm Capacity: 4 x 50ml Max. RCF: 19320xg ØxL: 29.5x96mm		No.12 Angle Rotor Max. Speed: 13000rpm Capacity: 6 x 50ml Max. RCF: 18550xg ØxL: 29.5x96mm
	No.13 Angle Rotor Max. Speed: 11000rpm Capacity:4 x 100ml Max. RCF: 13280xg ØxL: 38.2x110mm		No.14 Swing Rotor Max. Speed: 6000rpm Capacity: 4x10ml Max. RCF: 4495xg ØxL: 16.5x78mm
	No.15Swing Rotor Max. Speed: 4000rpm Capacity: 2x2x48holes Max. RCF: 1505xg ØxL: 108x54x29mm		

HIGH SPEED REFRIGERATED CENTRIFUGE

DENSCOPE®



TGL-16MB and TGL-16 are microprocessor-controlled centrifuges used in auxiliary laboratories in industry, colleges & Research institutions, biotechnology, medical laboratories, hospitals, pharmaceutical laboratories, and agriculture soil testing for determination of moisture equivalent of soil. It is also suitable for the determination of settlement of paints, pastes, cosmetics, and food products.

TGL-16MB

DENSCOPE®

Feature:

1. Stainless steel chamber with guarding ring.
2. Electronic safety lock prevent cover opening during centrifugation.
3. Manually lid open in case of failure or emergency.
4. Gas spring to prevent falling of lid.
5. Imbalance fault detection with auto shutdown
6. Pre-cooling during standstill. CFC free refrigeration system (refrigerant R404A or R134A).
7. Reliable drive system. Induction motor maintenance free.
8. Microprocessor control of all functions: speed, time, temperature, acceleration/deceleration, rcf, *program memory, error display.
9. RPM/RCF adjustable along with the run and value calculating automatically.
10. Comprehensive selection of rotors and adapters
11. Velocity hole provides a way of speed detection.
12. Produced according to national and international safety standard (e.g. IEC 61010).
13. ISO9001, ISO13485, CE international standards are met.
14. * Selectable: Lid open automatically at the end of run.



TGL-16MB



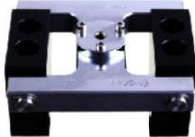
TGL-16

TECHNICAL SPECIFICATION

Model	TGL-16MB	TGL16
Screen	LCD COLOR Screen	LED Digital Screen
Max Capacity	4x100ML	
Max. Speed	16000rpm	
Max. RCF	20920xg	
Speed accuracy	±20 rpm	
Temp. Range	-20°C ~ +40°C	
Temp accuracy	±2°C	
Timer range	1min~99min59s	1min~99min
Acceleration/Deceleration	1~10/1~10	-
Program memory	NOT AVAILABLE	
Short spin function	NOT AVAILABLE	
Power supply	AC220V / 50~60Hz 15A	
Noise	<55db	
Machine body	PLASTIC-METAL BODY	METAL FRAME
Net weight (without rotor)	75KG	
COMPRESSOR	IMPORTED COMPRESSOR	
Gross weight	85kg	
Dimension	620×500×350mm(L×W×H)	
Package dimension	720×610×450mm(L×W×H)	

COMPATIBLE WITH

ROTOR LIST **TGL-16MB/TGL-16**

	No.1 Angle Rotor Max. Speed:16000rpm Capacity: 12x0.5ml Max. RCF: 17800xg ØxL: 8.4x28.5mm		No.2 Angle Rotor Max. Speed: 16000rpm Capacity: 12x1.5ml/2.2ml Max. RCF: 17800xg ØxL: 11.2x39mm
	No.3 Angle Rotor Max. Speed: 15000rpm Capacity: 24x1.5ml/2.2ml Max. RCF: 23800xg ØxL: 11.2x39mm		No.4 Angle Rotor Max. Speed: 14000rpm Capacity: 30x1.5ml/2.2ml Max. RCF: 20800xg ØxL: 11.2x39mm
	No.5 Angle Rotor Max. Speed: 14000rpm Capacity: 48x1.5ml/2.2ml Max. RCF: 20850xg ØxL: 11.2x39mm		No.6 Angle Rotor Max. Speed: 16000rpm Capacity: 12 x 5ml Max. RCF: 19320xg ØxL: 14x51mm
	No.7 Angle Rotor Max. Speed: 15000rpm Capacity:12 x 10ml Max. RCF:19910xg ØxL: 16.5x78.5mm		No.8 Swing Rotor Max. Speed: 6000rpm Capacity: 4x10ml Max. RCF: 4495xg ØxL: 16.5x78mm

ROTOR LIST

COMPATIBLE WITH

TGL-16MB/TGL-16

	No.9 Angle Rotor Max. Speed: 10000rpm Capacity: 24x10ml Max. RCF: 11280xg ØxL:16x78mm		No.10 Angle Rotor Max. Speed: 11000rpm Capacity: 12 x 15ml Max. RCF: 13935xg ØxL:16.5x103mm
	No.11 ANGLE Rotor Max. Speed: 14000rpm Capacity: 4 x 50ml Max. RCF: 19320xg ØxL: 29.5x96mm		No.12 Angle Rotor Max. Speed: 13000rpm Capacity: 6 x 50ml Max. RCF: 18550xg ØxL: 29.5x96mm
	No.13 Angle Rotor Max. Speed: 11000rpm Capacity:4 x 100ml Max. RCF: 13280xg ØxL: 38.2x110mm		No.14 Swing Rotor Max. Speed: 4000rpm Capacity: 2x2x48holes Max. RCF: 1505xg ØxL: 108x54x29mm