

1.1 Micro Centrifuges

1536



LABOGENE 1536 will be the new standard micro centrifuge in the laboratory. 1536 boasts a smooth curve design and a unique ergonomic user interface in its class. As many as 36 microtubes and 12 0.2 mL-tubes can be operated simultaneously at up to 15,000 rpm. It is suitable for all molecular biology applications as it can accommodate from 0.2 mL tube containing PCR strip to 5.0 mL tube. 1536 has an intuitive and user-friendly interface with a wide LCD display to check the operation status and the setting parameters simultaneously. It provides easy and sophisticated controls such as “At Set Speed” for timed runs at the set speed, 100 programs saving and adjustability of parameters during operation. The new “Easy-Lock” rotors deliver operators the highest easiness and comfort to handle frequent routine works. You can enjoy not only artistic design but also convenient operational experiences with our 1536.

Features

- Compact design built to accommodate PCR tubes, microtubes and filter tubes (0.2 to 5.0 mL)
- Soft touch control panel is highly sensitive and intuitive to input parameters.
- 3.5" LCD window with simultaneous display of all operational parameters of set and actual figures
- Selectable time mode of “at set SPEED” for counting running time only when reached the set speed
- Teflon coated rust-free chamber
- A separate “PULSE” key for quick spin
- Parameters can be changed during operation. when reached the set speed
- Key lock function helps the set-parameters secured during operation
- Lid drop protection design allows easiness and safety when loading or unloading sample.
- With motorized lid mechanics, only a gentle touch is sufficient to close and open the lid.

Outstanding Features	- Lid drop protection	- 3.5" LCD display
	- Motorized lid open & close	- Imbalance cut-off
	- Automatic lid release at completion	- Safety lid lock

Technical Specifications

1536			
Max. RPM/PCF for Fixed Angle	15,000 rpm / 21,206 xg	Acc. time to max. speed	≤15 sec
Max. RPM/PCF for Swing-out	-	Dec. time from max. speed	≤15 sec
		ACC/DEC ramps	9/10
Max. Capacity for Fixed Angle	36 x 1.5/2.0 mL, 10 x 5.0 mL, 4 PCR strips		
Max. Capacity for Swing-out	-	Program memory	100
Temp. range (°C)	-	Power supply (V/Hz)	220~230 V, 60/50 Hz (110 V optional)
FAST cool button	-	Power Requirement (VA)	450 VA
Time control	Pulse, timed <100 min or continuous	Dimension (W x D x H)	240 x 378 x 240 mm
Time counting range	Selectable, at set speed or from starting	Net weight	11.9 kg
RCF/RPM conversion	Yes	CE MARK	Yes
Noise level (dependent on rotor)	≤60 dB		






Ordering Information

Cat. No.	Description
Main Body	
LZ-1536	1536, keypad type, microcentrifuge without rotor (220V, 50/60Hz)
Rotors for 1536	
GRE-m2.0-36	Fixed angle rotor, Easy Lock of 1536 with aluminum lid for 36 microtubes
GRE-m2.0-24	Fixed angle rotor, Easy Lock of 1536 with aluminum lid for 24 microtubes
GRE-s0.2-32	Fixed angle PCR-tube rotor, Easy Lock of 1536 with aluminum lid for 4 rows of PCR strips
GRE-m5.0-10	Fixed angle rotor, Easy Lock of 1536 with aluminum lid for 5 mL tube
Adaptors for 1536	
GAS-m0.2(2)	0.2 mL adaptor of microtube rotors
GAS-m0.5(2)	0.5 mL adaptor of microtube rotors



Fixed Angle Rotor
GRE-m2.0-24








24 x 1.5/2.0 mL
∠ 45°
Hole Diameter (mm)11.1
Max. height for tube fit (mm)52

Tube			
Tube capacity (mL)	0.2	0.5	1.5/2.0
Adaptor			None
Cat. No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (Φ x L, mm)	6.5 x 23	8 x 31	-
Radius (mm)	67	73	84.3
Max. RPM	15,000	15,000	15,000
Max. RCF (g-force)	16,854	18,363	21,206



Fixed Angle Rotor
GRE-m2.0-36



36 x 1.5/2.0 mL (12 x 0.2 mL)
∠ 45°
Hole Diameter (mm)11.1
Max. height for tube fit (mm)52

Tube					
Tube capacity (mL)	0.2	0.5	0.2	1.5/2.0	2 mL filter tube
Adaptor			None	None	None
Cat. No.	GAS-m0.2(2)	GAS-m0.5(2)	-	-	-
Adaptor bore (Φ x L, mm)	6.5 x 23	8 x 31	-	-	-
Radius (mm)	53.5/67	60.5/73	58.2	70.9/84.3	59.1
Max. RPM (1580R)	15,000	15,000	15,000	15,000	15,000
Max. RCF (g-force)	13,458/16,854	15,219/18,363	14,640	17,835/21,206	14,867



Fixed Angle Rotor
GRE-s0.2-32


8 x 8-Tube PCR strips, 32 x 0.2 mL	
∠ 45°	
Hole Diameter (mm)	6.5
Max. height for tube fit (mm)	16

Tube		
Tube capacity (mL)	0.2	8-Strip tube
Radius (mm)	56.4	56.4
Max. RPM	15,000	15,000
Max. RCF (g-force)	14,187	14,187



Fixed Angle Rotor
GRE-m5.0-10

10 x 5.0 mL	
∠ 45°	
Hole Diameter (mm)	17
Max. height for tube fit (mm)	68

Tube	
Tube capacity (mL)	5.0
Radius (mm)	85.8
Max. RPM	15,000
Max. RCF (g-force)	21,583