

Refrigerated | High speed | Benchtop



TGL-16 is a practical benchtop refrigerated centrifuge which can hold sample volume from 0.2mL-6x100ml. All steel body,LCD and LED dual screen display.Max speed can reach 16500rpm.This unit includes refrigeration with a temperature range from -20°C to +40°C.

FEATURES

User-friendly functions

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >up to 99h59m timer range
- >RCF can be set directly.
- >LCD&LED screen show parameters simply and clearly
- >Water-proof touch key pad,each parameter has corresponding button to set
- >User can reset parameters when rotor is spinning

Refrigeration

- >Good compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation

Good components

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy rotor
- >Rotors are autoclavable

TECHNICAL DATA

Max Speed	16500rpm
Max RCF	24760xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1m ~ 99h59m/Pulse
Noise	≤60dB(A)
Power Consumption	1200w
Dimension	420x625x370mm
Weight	53kg

AVAILABLE ROTORS

No.1

Order No.:10101200020

Rotor:Fixed angle rotor
Capacity:12×1.5/2.2ml
Max speed:16500rpm
Max RCF:19000×g
Tube size:Φ11×42mm

No.2

Order No.:10101200050

Rotor:Fixed angle rotor
Capacity:12×5ml
Max speed:15000rpm
Max RCF:18270×g
Tube size:Φ14×54mm

No.3

Order No.:10102400020

Rotor:Fixed angle rotor
Capacity:24×1.5/2.2ml
Max speed:16000rpm
Max RCF:24760×g
Tube size:Φ11×42mm

No.3

Order No.:10102400021

Rotor:Fixed angle rotor
(aerosol tight)
Capacity:24×1.5ml/2.2ml
Max speed:16000rpm
Max RCF:24760×g
Tube size:Φ11×42mm

No.4

Order No.:10101200100

Rotor:Fixed angle rotor
Capacity:12×10ml
Max speed:13000rpm
Max RCF:15620×g
Tube size:Φ16×86mm

No.4

Order No.:10103600020

Rotor:Fixed angle rotor
Capacity:36×1.5/2.2ml
Max speed:13000rpm
Max RCF:15620×g
Tube size:Φ11×42mm

No.5

Order No.:10100600502

Rotor:Fixed angle rotor
Capacity:6×50ml
conical bottom
Max speed:12000rpm
Max RCF:15970×g
Tube size:Φ29×116mm

No.5

Order No.:10100600503

Rotor:Fixed angle rotor
Capacity:6×50ml
round bottom
Max speed:12000rpm
Max RCF:15970×g
Tube size:Φ29×111mm

No.5

Order No.:10104800020

Rotor:Fixed angle rotor
Capacity:48×1.5/2.2ml
Max speed:12000rpm
Max RCF:15970×g
Tube size:Φ11×42mm

No.6

Order No.:10100401000

Rotor:Fixed angle rotor
Capacity:4×100ml
Max speed:11000rpm
Max RCF:12870×g
Tube size:Φ38×123mm

No.6

Order No.:10100800502

Rotor:Fixed angle rotor
Capacity:8×50ml
conical bottom
Max speed:11000rpm
Max RCF:12870×g
Tube size:Φ29×116mm

No.6

Order No.:10100800503

Rotor:Fixed angle rotor
Capacity:8×50ml
round bottom
Max speed:11000rpm
Max RCF:12870×g
Tube size:Φ29×111mm

No.6

Order No.:10101200150

Rotor:Fixed angle rotor
Capacity:12×15ml
Max speed:11000rpm
Max RCF:12870×g
Tube size:Φ17×121mm

No.7

Order No.:10100600100

Rotor:Fixed angle rotor
Capacity:6×10ml
Max speed:16000rpm
Max RCF:19070×g
Tube size:Φ16×86mm

No.8

Order No.:10100800150

Rotor:Fixed angle rotor
Capacity:8×15ml
Max speed:13000rpm
Max RCF:15620×g
Tube size:Φ17×121mm

No.8

Order No.:10100600300

Rotor:Fixed angle rotor
Capacity:6×30ml
Max speed:13000rpm
Max RCF:15620×g
Tube size:Φ25.5×100mm

No.9

Order No.:10100800024

Rotor:Fixed angle rotor
Capacity:8×0.2ml PCR strip
Max speed:13000rpm
Max RCF:14640×g

No.10

Order No.:10100601000

Rotor:Fixed angle rotor
Capacity:6×100ml
Max speed:9000rpm
Max RCF:9770×g
Tube size:Φ38×123mm

No.11

Order No.:10000400024

Rotor:Microplate rotor
Capacity:2×2×48 well plate
Max speed:4000rpm
Max RCF:1500×g
max: 128×48×60mm