

# TUBE ROTATORS



# TUBE ROTATORS

Rotators are used for mixing samples in clinical testing, molecular biology, and biochemistry. They are used along with sample tubes that are rotated, rocked, and tumbled to mix samples horizontally and vertically. The plate is attached to the fixed center spindle and is placed in the center to produce simple tube rotation while for more vigorous and end-over-end tumbling motion, the plate is placed parallel to the center spindle which is majorly in mixing blood samples and protein precipitation. It has a variety of applications including prevention of blood coagulation, immune precipitations, & latex diagnostics, etc.

Used in Industrial, Clinical Laboratories, Academic Facilities, Environmental Applications, Food Technology, Wastewater Facilities.

Also known as Rotator, Laboratory Rotator.

## LTROT12-2 VERTICAL ROTATOR

Smart appearance, solid structure, simple operation

LED display time and speed

DC brushless motor, stable performance, low noise and long using life

360° vertical circulation rotation, operating smooth and steady

Different tube holder frames for optional to suit different types of tubes



## SPECIFICATIONS

Model	LTROT12-2
Speed Range	10 ~ 80 rpm
Shaking Orbit	circle
Time Range	1min~99h59min
Voltage	AC 100~230V, 50/60Hz
Power	16 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.470 x D.190 x H.160mm
Net Weight	2.8 kgs

## ACCESSORIES

Accessory Code	Name	Capacity
3501209008	Tube Holder frame	1.5mlx64
3501209009	Tube Holder frame	15mlx22
3501209010	Tube Holder frame	50mlx16

# LTROT12-3 VERTICAL ROTATOR

Humanized designed operation keyboard

LED display time and speed

Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml

The turntable's gradient can be adjusted from 0 to 90 degree

Timing function

Beep alarm when program time ends

DC brushless motor, stable performance, low noise and long using life



## SPECIFICATIONS

Model	LTROT12-3
Speed Range	10 ~ 80 rpm
Gradient Angle Range	0°~90°
Time Range	1min~9999min
Voltage	AC 100~230V, 50/60 Hz
Power	35 W
Fuse	250V, 1A, Φ5x20
Dimension	W.206 x D.260 x H.300mm
Net Weight	4.5 kgs

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
3501210008	Turntable for rotary mixing solution	50ml V-bottom tube x 10	
3501210009	Turntable for rotary mixing solution	1.5ml tube x 64	
3501210010	Turntable for rotary mixing solution	15ml V-bottom tube x 18	
3501210011	Foam tube holder		50ml centrifuge tubex12 15ml centrifuge tubex12 1.5ml centrifuge tubex30
3501210012	Turntable		50ml centrifuge tubex10 15ml centrifuge tubex10 1.5ml centrifuge tubex30
3501210013	Double turntable connector		

# LTROT10 TUBE ROTATOR

End-over-end or rolling action, gives gentle but effective mixing

Adjustable speed range of 0 to 80 rpm

Used with a wide variety of accessories

Continuous quiet operation



## SPECIFICATIONS

Model	LTROT10-1	LTROT10-3
Speed Range	0-80 rpm	
Permissible Ambient Temperature	5-40°C	-
Permissible Relative Humidity	0.8	
Tilt Angle (°)	90	
Operation	Continuous	
Dimension	300Dx220Wx310H mm	150Dx530Wx190H mm
Motor Type	DC motor	
Protection Class	IP21	
Weight	2 kg	1.7 kg
Power	20 W	
Power Supply	100-240V, 50/60Hz	

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3501008008	Disk and Rotisserie accessory	For 1.5ml x 12 centrifuge tubes
3501008009	Disk and Rotisserie accessory	For 15ml x 12 centrifuge tubes
3501008010	Disk and Rotisserie accessory	For 50ml x 12 centrifuge tubes



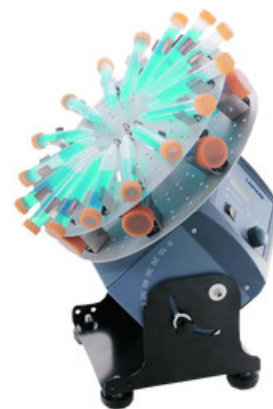
LTROT10-1



LTROT10-3

# LTROT10-2 TUBE ROTATOR

The rotator comes with a disk type design  
Digital control speed and allowing procedures to be accurate  
LCD displays timer  
End-over-end or rolling action, gives gentle but effective mixing  
Adjustable speed range of 10 to 70rpm  
Adjustable mixing angle between 0 and 90 °  
Used with a wide variety of accessories  
Continuous and timed quiet operation



## SPECIFICATIONS

Model	LTROT10-2
Speed Range	10-70 rpm
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	0.8
Tilt Angle (°)	0-90
Operation	Continuous/ timed operation
Timer	Yes
Timing Range	1-1199 min
Dimension	510Dx190Wx260H mm
Motor Type	DC motor
Protection Class	IP21
Display	LCD
Weight	8 kg
Power	40 W
Power Supply	100-240V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3501009008	Disk accessory	For 1.5ml x 60 centrifuge tubes holder
3501009009	Disk accessory	For 15ml x 16 centrifuge tubes holder
3501009010	Disk accessory	For 50ml x 8 centrifuge tubes holder
3501009011	Disk support rods	4 pcs; use with BX-103920; BX-103921; BX-103922

# LTROT10-4 TUBE ROTATOR

The rotator comes with a rotisserie type design  
 Digital control speed and allowing procedures to be accurate  
 LCD displays timer  
 End-over-end or rolling action, gives gentle but effective mixing  
 Adjustable speed range of 10 to 70 rpm  
 Used with a wide variety of accessories  
 Continuous and timed quiet operation



## SPECIFICATIONS

Model	LTROT10-4
Speed Range	10-70 rpm
Permissible Relative Humidity	0.8
Tilt Angle (°)	90
Operation	Continuous/ timed operation
Timer	Yes
Timing Range	1-1199 min
Dimension	510Dx190Wx260H mm
Motor Type	DC motor
Protection Class	IP21
Display	LCD
Weight	8 kg
Power	40 W
Power Supply	100-240V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3501011008	Rotisserie accessory	For 1.5ml x 48 centrifuge tubes held horizontally
3501011009	Rotisserie accessory	For 15ml x 24 centrifuge tubes held horizontally
3501011010	Rotisserie accessory	For 50ml x 24 centrifuge tubes held horizontally
3501011011	Rotisserie accessory	For 1.5ml x 32 centrifuge tubes held vertically
3501011012	Rotisserie accessory	For 15ml x 16 centrifuge tubes held vertically
3501011013	Rotisserie accessory	For 50ml x 16 centrifuge tubes held vertically

# LTROT11-1 3D ROTATOR

Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

Positive and negative rotation just gently press the rotating frame when instrument is working.

Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.



## SPECIFICATIONS

Model	LTROT11-1
Speed Range	18 rpm
Voltage	AC 220V/AC 110V, 50/60Hz
Power	4 W
Dimension	240x145x210 mm
Net Weight	1 kg

# LTROT11-2 4D ROTATOR

Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

With reciprocating oscillation function from 20 angle to 99 angle.

Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.



## SPECIFICATIONS

Model	LTROT11-2
Speed Range	10 rpm ~40 rpm
Reciprocating Swing Angle Range	20°~99° (Adjustable)
Time Range	1s~999min/Continuously
Voltage	AC 100 ~230V, 50/60Hz
Power	4 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	240x145x210 mm
Net Weight	1.2 kgs

# LTROT11-4 3D GYRATORY ROCKER

Gentle but thorough mixing  
Suits for blood collection tubes and centrifuge tubes  
Tilt angle and speed have been optimally set  
Safe for use in cold rooms and incubators



## SPECIFICATIONS

Model	LTROT11-4
Speed Range	20 rpm (fixed)
Shaking Orbit	3D / 20 (fixed)
Max. Load	0.8 kgs
Voltage	AC 220V/AC 110V, 50/60 Hz
Power	45 W
Dimension	W.240 x D.170 x H.150 mm
Net Weight	1.6 kgs

# LTROT8-1 TUBE ROTATOR

It can be used in the humid environment such as refrigerator and refrigerated cabinet  
Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml  
One button to start/stop, easy to operate, can run for a long time, running smoothly without noise at 20 rpm



## SPECIFICATIONS

Model	LTROT8-1
Speed Range	20 rpm
Gradient Angle Range	45° (fixed angle)
Voltage	AC 220V/AC 110V, 50/60 Hz
Power	14 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.260 x D.300 x H.233mm



Net Weight	1.8 kgs
------------	---------

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
3501210008	Turntable for rotary mixing solution	50ml V-bottom tube x 10	
3501210009	Turntable for rotary mixing solution	1.5ml tube x 64	
3501210010	Turntable for rotary mixing solution	15ml V-bottom tube x 18	
3501210011	Foam tube holder		50ml centrifuge tubex12 15ml centrifuge tubex12 1.5ml centrifuge tubex30
3501210012	Turntable		50ml centrifuge tubex10 15ml centrifuge tubex10 1.5ml centrifuge tubex30
3501210013	Double turntable connector		

## LTROT8-2 TUBE ROTATOR

It can be used in the humid environment such as refrigerator and refrigerated cabinet.

Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml.

One button to start/stop, easy to operate, can run for a long time, running smoothly without noise at 40 rpm.



## SPECIFICATIONS

Model	LTROT8-2
Speed Range	40 rpm
Gradient Angle Range	45° (fixed angle)
Voltage	AC 220V/AC 110V, 50/60 Hz
Power	14 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.260 x D.300 x H.233mm
Net Weight	1.8 kgs

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
3501210008	Turntable for rotary mixing solution	50ml V-bottom tube x 10	
3501210009	Turntable for rotary mixing solution	1.5ml tube x 64	
3501210010	Turntable for rotary mixing solution	15ml V-bottom tube x 18	
3501210011	Foam tube holder		50ml centrifuge tubex12 15ml centrifuge tubex12 1.5ml centrifuge tubex30

3501210012	Turntable		50ml centrifuge tubex10 15ml centrifuge tubex10 1.5ml centrifuge tubex30
3501210013	Double turntable connector		



**Labtare Analytical Instruments**

Email: [info@labtare.com](mailto:info@labtare.com) | Website: [labtare.com](http://labtare.com)