

In vitro shaker Shake-LR/XR

Compact sized easy to use for bench tops and inside refrigerators. Enables to shake the samples largely and securely. Wide range of options for various applications.

CO₂ Incubators that can be inside this unit --> P.138-140



Shake-LR



Shake-XR

Each above not a mounted with the shaking platform.

Features

- Switchable Reciprocal and Orbital shaking [LR]
- Swing in figure 8 [XR]
- Enable to use even inside refrigerators with 4°C [All models]

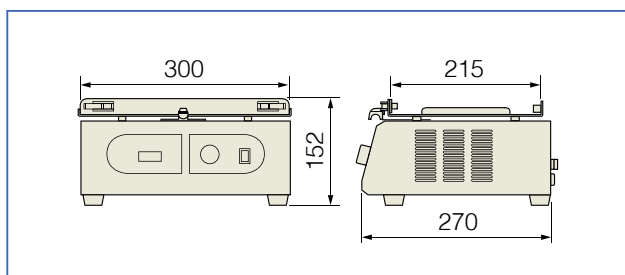
Applications

- Erlenmeyer flasks, Centrifuge tubes, Color comparison tubes etc. [LR]
- Trays, Erlenmeyer flasks, TC flasks etc. [XR]
- Cultivation, Extraction [LR], Dispersion, Trypsinization [XR]

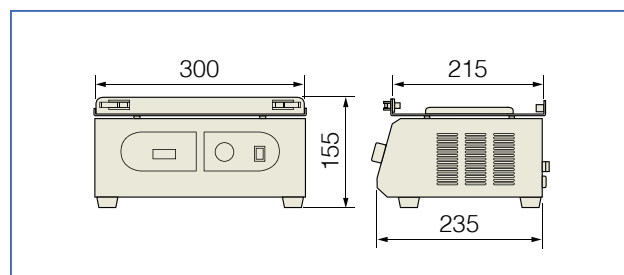
Model	Shake-LR	Shake-XR
Shaking motion	Switchable Reciprocal/Orbital shaking	Swing in figure 8
Shaking speed/width	15 to 160r/min (*1), 25mm	15 to 100r/min* (*1), 20mm *One (1) motion per 1r/min
Platform dimensions	300 x 200mm	
Ambient temp. range	0°C to 50°C	
Maximum load	Approx. 2kg (Optional platform and vessel holders not included)	
Shaking speed display	Digitally (Option)	
Safety devices/functions	Motor protection circuit at overload, Fuse	
Dimensions (W x D x H)	300 x 270 x 152mm	300 x 235 x 155mm
Weight	Approx. 7.8kg	Approx. 7.7kg
Power supply	AC100 to 240V/0.5A	

(*1) The maximum value might not be met depending optional platforms and vessels.

Dimensions Shake-LR



Dimensions Shake-XR



The features of Swing in figure 8 and the shaker that can swing in figure 8.

Vertical and Horizontal waves occur alternately in the figure 8. In shaking the gel, the efficiency of dye decolorization is heightened as the solution moves firmly while the gel stays at any position (1). The wider vertical and horizontal waves alternately are, the easier the vessels can be checked (2). In Erlenmeyer flasks, high aeration and dispersion efficiency like motion of liquid in the shaking flasks can be obtained (3), 50/100/150 mL in 500 mL from the left).



USER'S VOICE

I think there should be some effective applications for figure 8 other than this. Also interested in High-end model NR-80 with more capacity than that of Shaker-XR.



<-- NR-80 (Page 64) 6 pcs of 500mL Erlenmeyer flask Switchable Reciprocal/Orbital and Figure 8

Selection guide
Constant temperature incubator shaker
CO₂ incubator shaker
Shaker
Mixer
Rotator
Stirrer
Bead beater
homogenizer
Ultrasonic homogenizer
Aluminum block bath
Minimize bath
Water bath
Shaking water bath
Immersion cooler
Hydridation oven
Constant temperature chamber
Centrifugal concentrator
Cold trap
Freeze dryer
Electrophoresis and
Blotting apparatus
Constant temperature water circulating system [Chiller]

Example of Optional shaking platform in combination

Shake-LR (with Speed display)					
Plastic containers or Dishes, Reciprocal	Plastic containers or Dishes, Reciprocal	50 mL Centrifuge tube, Orbital	250 mL Erlenmeyer flasks, Orbital	100 mL Color comparison tube, Reciprocal shaking	50mL color tube, Reciprocal shaking
Stick sheet ST-2030	Two-tier shaking platform WR-2030	Spring net shaking platform MR-2030	Universal shaking platform MT-2030	Universal shaking platform MT-2030	Universal shaking platform MT-2030
-	Stick sheet ST-2030	-	Clamp for Erlenmeyer flask CF-0250x6	Horizontal clamp for Centrifuge tube AT-0004	Horizontal clamp for Centrifuge tube AT-0004x2

Shake-LR (with Speed display)	Shake-XR (with Speed display)			
Plastic containers or Dishes, Reciprocal	Plastic containers or Dishes	Plastic containers or Dishes	Large-size culture trays	500mL Erlenmeyer flask
Large-size shaking platform WR-3636LR	Stick sheet ST-2030	Two-tier shaking platform WR-2030	Large-size shaking platform WR-3636	Universal shaking platform MT-2030
-	-	Stick sheet ST-2030	-	Clamp for Erlenmeyer flask CF-0500x3

● Example of optional platform combination were selected optimally while Some combinations other than these described (e.g. Shake-XR with MR-2030 etc.) are available. Ask us for the combinations other than these if necessary.

Stick sheet (LR/XR)

A white-colored non-slip sheet that used placing on the platform. Eco-friendly special silicon material adopted. Adhesion weakened with dust and dirt can be recovered by washing with water.



Model	ST-2030
Applicable models	Shake-LR/XR
Dimension	195x295x2Hrmm

● Use below 100r/min (or any speed the vessels not fallen) with Shake-LR.

Two-tier shaking platform (LR/XR)

Convenient to stain multiple Electrophoresis gel. Comes with 1pc of Stick sheet ST-2030. WR-2030 (with 1 pc x ST-2030)



Model	WR-2030
Applicable models	Shake-LR/XR
Dimension	204x304x168Hrmm

● Use below 100r/min (or any speed the vessels not fallen) with Shake-LR. ● Maximum load should be 1.2kg when using this. ● Purchase separately ST-2030 as necessary.

Spring net shaking platform (LR)

Convenient when shaking different sizes vessels together. Tilt slightly the vessels with approx. 20 % of the liquid volume.



Model	MR-2030
Applicable models	Suitable for Shake-LR
Dim./Cap.	W 200xD 300xH 95mm, Up to 24pcs when 50mL Disposable centrifuge tube

● It can be also mounted to Shake-XR. ● Recommended to use with Conical bottom centrifuge tube.

Double spring net for MR-2030 (additional option)

This makes the spring net of MR-2030 double. Enhance the fixed accuracy with this when using vessels that cannot be dropped into the bottom hole

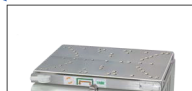


Model	SP-2030
Dimension	200x300x12Hrmm

● Be careful in the shaking speed when [if] the spring net is doubled.

Universal shaking platform (LR/XR)

This is required when using the clamps for Erlenmeyer flask or Centrifuge tube. Be sure use the clamps so that the vessels can be fixed.

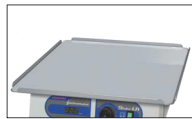


Model	MT-2030
Applicable models	Shake-LR/XR
Dimension	200x300x23Hrmm

● Clamps are available as an option.

Large-sized shaking platform (LR/XR)

Large sized culture trays and TC flasks can be mounted. 1pc of Stick sheet comes with that replaced by removing Standard platform.



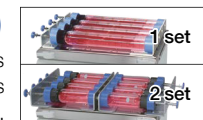
Model	WR-3636LR (For Shake-LR)
Model	WR-3636 (For Shake-XR)
Dimension	364x364x12Hrmm

● Use below 100r/min (or any speed the vessels not fallen) with Shake-LR/XR.
● Stick sheet comes with.

● Protuberances not included in Dimensions. ● Vessels of photo not included.

Horizontal clamp for Centrifuge tube (LR)

This makes Centrifuge tubes, Stopped test tubes or Water-compliant 100 mL Color comparison tubes securely fixed. Optimal for Extraction experiment. Mounted on MT-2030 for use.



Model	AT-0004
Vessels	Diameter 10 to 37 mm, 4pcs in 1 set
Capacity	When 1 set: Vessels with 75 to 240 mm in length such as 100 mL Color comparison tubes. When 2 sets: Vessels with 75 to 110 mm in length such as 50 mL Centrifuge tubes.

Clamps for Erlenmeyer flasks (LR/XR)

Mounted on MT-2030 for use.



Model	CF-0100	CF-0250	CF-0300	CF-0500
Vessels	100mL	250mL	300mL	500mL
Capacity	12pcs	6pcs	6pcs	3pcs