

DWMax MBR-034P/034/032P/032/104P

Powerful, Uniform, and Silent! Our proprietary technology "New Max drive" enables Excellent aeration effectiveness of 96-well plate, microtube, and disposable centrifuge tube.

•Experimental data --> P.024



[P type]



MBR-034P
Deep well plate



MBR-032P
Microtube rack (Optional)



MBR-104P
Shaking platform (Optional)

Features

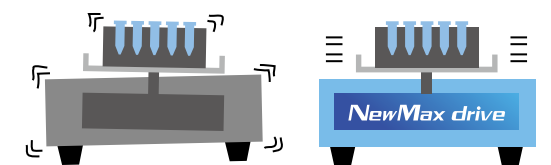
- Optimum for using 96-well plate and stirring for microtube [Model 03]
- Optimum for stirring of Microtube and/or Centrifuge tube [Model 10]
- Temperature control below R.T. by peltier cooling [P Type]

Our proprietary technology "New Max drive™" enables great stirring effectiveness to prevent wobbling.

A shaker can synergistically generate the wobble by its vibration and the wobbling of the platform by inertia. The wobble can sometimes decrease the effectiveness of shaking and stirring. The New Max drive can realize less wobbling of the Shaker. For example, we obtained dramatic effectiveness in which the variation between wells in the cultivation by using well plate rack improved (see the next page).

Applications

- Shaking Culture with Deep well plate or Microtube
- Cold-Shock expression for E. coli [Model-032/034P], ELISA, etc.
- Enzyme digestion, Biodegradation test, Metabolomic analysis, etc.



Capacity	Well plate x4 (*1) or Microtube rack x4		Well plate x2(*1) or Microtube rack x2		1.5 or 2 mL microtube rack and 15 or 50 mL disposable centrifuge tube by changing the platform.
Model	MBR-034P	MBR-034	MBR-032P	MBR-032	MBR-104P
Temperature range	+7°C below RT (*2) to +60°C	+7°C above RT (*2) to +60°C	+15°C to +60°C (*3)	+7°C above RT (*2) to +60°C	+7°C below RT (*2) to +60°C
Temp. control accuracy	±0.5°C to ±1.0°C (*3)				
Shaking motion/Speed range	Horizontal eccentric shaking, 200 to 1600 r/min				Orbital, 50 to 500 r/min
Platform size	-				240 × 220 mm (Max. inside height : 100 mm)
Ambient temp. range	+5°C to +30°C				
Heating method	Peltier element	Heater 70 W	Peltier element	Heater 70 W	Peltier element
Cooling method	-	-	-	-	-
Other functions	Digital display of temperature and speed, 1 × Memory function of temperature and speed				
Safety devices/functions	Fuse, Self-diagnosis function for temp. control error, Braking when hood open, Motor overload/Over-voltage protection				
Dimensions (W × D × H)	405 × 445 × 230 mm	405 × 402 × 230 mm	365 × 400 × 230 mm	365 × 347 × 230 mm	405 × 445 × 230 mm
Weight	Approx. 18 kg	Approx. 16 kg	Approx. 15 kg	Approx. 13 kg	Approx. 18 kg
Power supply	AC100V-240V/1.5A (universal power supply)				
Standard accessories	-				Sticky sheet x1pc

(*1) Equipped with the platform for Well plate. Since it is designed for 96-well plate, the agitating effectiveness will be different when using different well sizes such as 24-well and 384-well Plates. (*2) The limits on the temperature range are the room temperature minus 7°C for cooling and plus 40°C for heating. (*3) Values for when the ambient temperature is around +25°C. (*4) Micro tube racks for the 03 model and shaking tables for the 10 model are sold separately (see below).

Optional parts

Product Name/Model	Capacity of Vessels
Microtube rack EM-0524	0.5 mL Microtube × 24
Microtube rack EM-1524	1.5/2 mL Microtube × 24
Microtube rack EM-1515 (*1)	5 mL tube × 12

Product Name/Model	Capacity of Vessels
Shaking platform for 1.5mL Microtube VBR-1140	1.5/2 mL Microtube × 40
Horizontal shaking platform for 15mL centrifuge tube VBR-1816	15 mL disposable tube × 16
Horizontal shaking platform for 50mL centrifuge tube VBR-3508	50 mL disposable tube × 8

(*1) Suitable 5 mL Microtubes are WATSON (Japan) and Argos (USA), but not Eppendorf (Germany).
•The Microtube racks are for 03 models (034P/034/032P/032) and the shaking platform is for 10 model (104P).

NEW

Constant temperature incubator shaker OD Monitor

For cell culture related products

Shaker

Mixer Rotator Stirrer

Bead beater homogenizer Ultrasonic homogenizer

Aluminum block Bath Mini-size Bath

Water bath Shaking Water bath Immersion cooler

Hybridization Incubator Constant temperature Chambers

Centrifugal Concentrators Cold Trap

Freeze dryers

Substrate Electroporation apparatus Blotting device for hybridization

Constant-temperature water circulating system [Chilled]

Appendix