

DwMax MBR-034P/034/032P/032/104P

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

Experimental data --> P.014



MBR-034P
Deep well plate



MBR-032P
Microtube rack (option)



MBR-104P
Shaking platform (option)

Features

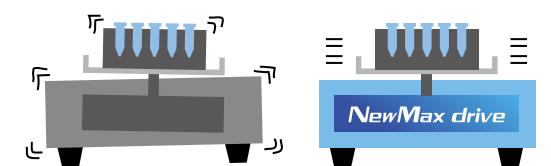
- Optimum for using 96-well plate and stirring for microtube [Model 03]
- Optimum for stirring of Microtube and/or Centrifuge tube [Model 10]
- Temperature control below R.T. by peltier cooling [P Type]

Our proprietary technology "NewMax drive™" enables a great stirring effectiveness to preventing the wobble.

The shaker generates synergistically the wobble by its vibration and the wobbling of platform by inertia. The wobble sometimes weak the effects for shaking and stirring. NewMax drive realizes Shaker less wobbled. For example, the effect of dramatically the variation between wells in the cultivation using well plate rack improved has been obtained (see the next page).

Applications

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



Capacity	4 x Well plate (*1) rack or 4 x Microtube rack		2 x Well plate or 2 x Microtube rack		1.5 or 2 mL microtube rack and 15 or 50mL disposable centrifuge tube by changing the platform.
	Model	MBR-034P	MBR-034	MBR-032P	MBR-032
Temperature range	7°C below RT (*2) to 60°C	7°C above RT (*2) to 60°C	15°C to 60°C	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 1600r/min				Orbital, 50 to 500r/min
Platform size	-				240 x 220mm (Max. inside height : 100mm)
Ambient temp. range	5°C to 30°C				
Heating method	Peltier element	Heater 70W	Peltier element	Heater 70W	Peltier element
Cooling method	-	-	-	-	-
Other functions	Digital display of temperature and speed, 1 x 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 x D x H)	405 x 445 x 230mm	405 x 402 x 230mm	365 x 400 x 230mm	365 x 347 x 230mm	405 x 445 x 230mm
Weight	Approx. 18kg	Approx. 16kg	Approx. 15kg	Approx. 13kg	Approx. 18kg
Power supply	AC100 to 240V/1.5A				
Standard accessories	-				

(*1)Equipped with the platform for Well plate. Since designed for 96-well plate, the agitating effectiveness will be different by using different well sizes such as 24-well and 384-well plate.
(*2) RT (Room temperature) has been set 25°C as the standard. (*3)The value at the ambient temperature 25°C.

Optional parts

Product Name / Model	Capacity of Vessels
Microtube rack EM-0524	0.5mL Microtube x24
Microtube rack EM-1524	1.5/2mL Microtube x24
Microtube rack EM-1515 (*1)	5mL tube x12

Product Name / Model	Capacity of Vessels
Shaking platform for 1.5mL Microtube V-BR-1140	1.5/2mL Microtube x40
Horizontal shaking platform for 15mL centrifuge tube V-BR-1816	15mL disposable tube x16
Horizontal shaking platform for 50mL centrifuge tube V-BR-3508	50mL disposable tube x8

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

Selection guide

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