

# MaxQ 4000 Large Benchtop Incubated and Refrigerated Shakers

## Spacious chamber in a footprint designed for the benchtop

Combines incubated and refrigerated temperatures in an orbital shaker with a spacious chamber

- Large chamber holds six 2L flasks
- Clear acrylic lid provides high visibility for sample harvesting
- Safety interlock protects operator by stopping platform motion when lid is lifted

### Applications

- Insect cell culture
- Extraction procedures
- General mixing
- Staining and destaining
- Hybridizations
- Solubility studies
- Plasmid production
- Bacterial suspensions
- Washing procedures
- Protein expression



# Ordering Information

Select the right shaker for your needs and customize by selecting either a universal platform or a dedicated platform.

## MaxQ 4000 Shaker

Shaker options	Speed range (rpm)	Orbit diameter in. (cm)	Max. load lb. (kg)	Temperature range and accuracy	Temperature uniformity	Overall dimensions/ chamber dimensions inches (cm)			Shipping weight Lb. (kg)	Model No. 120V, 50/60 Hz	Model No. 240V, 50/60 Hz
						L	W	H			
<b>MaxQ 4000 – Large incubated benchtop shaker</b>											
Digital	15–500 ±1	0.75 (1.9)	50 (22.7)	10°C above ambient to 60°C ±0.1°C at 37°C in flask	±0.5°C at 37°C in flask	32 (81.3)/20 (50.8)	22.5 (57.2)/21 (53.3)	22 (55.9)/13 (33)	167 (75.8)	SHKE4000	SHKE4000-1CE
<b>MaxQ 4000 – Large incubated high temperature benchtop shaker</b>											
Digital	15–500 ±1	0.75 (1.9)	50 (22.7)	10°C above ambient to 80°C ±0.1°C at 37°C in flask	±0.5°C at 37°C in flask	32 (81.3)/20 (50.8)	22.5 (57.2)/21 (53.3)	22 (55.9)/13 (33)	167 (75.8)	SHKE4000-5	SHKE4000-6CE
<b>MaxQ 4000 – Large incubated and refrigerated benchtop shaker</b>											
Digital	15–500 ±1	0.75 (1.9)	50 (22.7)	15°C below ambient to 60°C ±0.1°C at 37°C in flask	±0.5°C at 37°C in flask	34 (86.4)/20 (50.8)	22.5 (57.2)/21 (53.3)	22 (55.9)/13 (33)	212 (96.2)	SHKE4000-7	SHKE4000-8CE*

\* 50 Hz only

## Platforms

Maximize flexibility by choosing your platform and selecting a mixture of clamps.

MaxQ 4000		Model No.
<b>Platforms</b>	<b>Universal platforms</b>	18 x 18" (45.7 x 45.7 cm)
Choose the platform that best fits your needs.	Maximum flexibility for using a mix of different size labware on a single platform. See universal clamp guide for clamp capacities. Purchase clamps separately.	Platform without clamps
	<b>Dedicated platforms</b>	18 x 18" (45.7 x 45.7 cm)
	Clamps come installed to provide maximum capacity.	Platform with clamps
<b>Clamps</b>	Mix and match clamps for your universal platform.	See universal clamp guide below
		See dedicated platforms below

## Universal clamp guide

Mix and match to customize the universal platform for your unique needs. Clamps sold as individual units.

Clamp	Model No.	Clamp capacity guide
		Max. clamp capacity of vessels for the universal Platform
		<b>MaxQ 4000</b>
		18 x 18" (45.7 x 45.7 cm)
Flask clamp starter kit, includes (2) 125 ml flask clamps, (4) 250 ml flask clamps, (4) 500 ml flask clamps, (2) 1L flask clamps, (2) 2L flask clamps	30129	
Microplate/deep-well plate	30175	10
10 ml Erlenmeyer flask	30150BI	113
25 ml Erlenmeyer flask	30151	64
50 ml Erlenmeyer flask	30152BI	32
125 ml Erlenmeyer flask	30153	32
250 ml Erlenmeyer flask	30154BI	16
300 ml Erlenmeyer flask	30155	16
500 ml Erlenmeyer flask	30156BI	16
1L Erlenmeyer flask	30157BI	9
2L Erlenmeyer flask	30158	6
2500 ml low form culture flask	30161	1
2800 ml Fernbach flask	30162	4
Adhesive flask mat, 9 x 9" (23 x 23cm)	300349 <sup>3</sup>	–
<b>Test tube racks – full size</b>		
10–13 mm, red, 6 x 12 array	30180BI	6
14–16 mm, orange, 6 x 12 array	30182 <sup>1</sup>	4
17–20 mm, white, 4 x 10 array	30184	5
21–25 mm, blue, 4 x 10 array	30186	3
26–30 mm, green, 3 x 8 array	30188 <sup>2</sup>	4
Microcentrifuge, 1.5 ml, blue, 8 x 12 array	30190	5
<b>Test tube racks – half size</b>		
10–13 mm, red, 6 x 6 array	30181	12
14–16 mm, orange, 6 x 6 array	30183 <sup>1</sup>	6
17–20 mm, white, 4 x 5 array	30185	8
21–25 mm, blue, 4 x 4 array	30187	6
26–30 mm, green, 3 x 3 array	30189 <sup>2</sup>	9
Microcentrifuge, 1.5 ml, blue, 4 x 6 array	30191	8

<sup>1</sup>Fits 15 ml centrifuge tubes    <sup>2</sup>Fits 50 ml centrifuges tubes    <sup>3</sup>Can be cut to fit, reusable

## Dedicated platforms with clamps

Maximize capacity by choosing your platform with pre-installed clamps.

Clamps come installed to provide maximum capacity			
Platform size	Description	Capacity	Model No.
18 x 18" (45.7 x 45.7 cm)	10 ml Erlenmeyer flask	113	3524-1
	25 ml Erlenmeyer flask	64	3524-2
	50 ml Erlenmeyer flask	64	3524-3
	125 ml Erlenmeyer flask	32	3524-4
	250 ml Erlenmeyer flask	25	3524-5
	300 ml Erlenmeyer flask	16	3524-6
	500 ml Erlenmeyer flask	16	3524-7
	1L Erlenmeyer flask	9	3524-8
	2L Erlenmeyer flask	5	3524-9
	10 ml beaker	152	3524-35
	20 ml beaker	104	3524-36
	30 ml beaker	104	3524-37
	100 ml beaker	44	3524-38
	250 ml beaker	25	3524-39
400 ml beaker	25	3524-40	
600 ml beaker	16	3524-41	
Utility tray	–	–	3524-46
18" x 18" adjustable vessel platform without bottom	–	–	3524-60

## Miscellaneous accessories

MaxQ 4000	Model No.
Gassing manifold with 8 outlets (customer installed)	SHK4000-8GM

Note: Optional gassing manifold enables direct gassing into flasks for anaerobic cultures.