

thermo scientific



Simple, flexible and reliable

Thermo Scientific™ CO<sub>2</sub> Resistant Shaker

**ThermoFisher**  
SCIENTIFIC

## APPLICATIONS

MAMMALIAN CELL CULTURE

BACTERIAL SUSPENSIONS

STAINING AND DESTAINING

WASHING PROCEDURES

HYBRIDIZATION

SOLUBILITY STUDIES

EXTRACTION PROCEDURES

DIAGNOSTIC TESTS

GENERAL SHAKING APPLICATIONS

# Trust your cell cultures to a proven, reliable solution

Thermo Scientific™ CO<sub>2</sub> resistant orbital shakers provide reliable around-the-clock operation ideally suited to keep your cells alive and flourishing within your working environment.



- Orbital shaking through magnetic power eliminates the need to replace belts
- Small footprint ideal for use in a CO<sub>2</sub> incubator or on the bench
- Specially treated mechanical components protect up to 20% CO<sub>2</sub> and 95% humidity conditions
- Convenient external control box with LED display allows for easy adjustments without opening the chamber door
- External control box standard with 4-20 mA data output port to provide added security and remote monitoring capability
- Minimal heat dissipation assures conditions within the CO<sub>2</sub> chamber are not effected
- Stainless steel construction for protection from corrosive CO<sub>2</sub> gassing conditions

## An extensive selection of accessories fits most applications

- Choose the best orbit size for your application with 19 mm (3/4") orbit for flasks and cell culture dishes or 3mm (1/8") orbit for microplates and other small vessels
- Large capacity 18x18" universal platform option available for high-throughput projects and to maximize incubator space



External control box  
with 4-20 ma data port



Adjustable tube racks



Variety of  
clamp sizes

A variety of accessories  
to fit most applications

See the next page for full list of accessories.









Cat. No.	88881101	88881101B	88881102	88881102B
Plug configuration				
Orbit diameter	19 mm (3/4 in)	3 mm (1/8 in)	19 mm (3/4 in)	3 mm (1/8 in)
Speed range	30 – 300 rpm	30 – 600 rpm	30 – 300 rpm	30 – 600 rpm
Speed accuracy	±1 rpm	± 2 rpm	±1 rpm	± 2 rpm
Rotation mode	Orbital			
Display	LED display shows speed and time			
Display accuracy	1 rpm			
Timer range	0 – 99 h 59 min, or continuous			
Indicator lights	rpm, Time, Warning, Run			
Maximum load	6 kg (13 lbs)	10 kg (22 lbs)*	6 kg (13 lbs)	10 kg (22 lbs)*
Power input	100 – 240 V, 50/60 Hz			
Data output	4-20 mA Data Output			
Net weight	17.5 kg (38.6 lbs)	16 kg (35.3 lbs)	17.5 kg (38.6 lbs)	16 kg (35.3 lbs)
Shipping contents	Shaker Body x 1, Control Box x 1, US Plug x 1		Shaker Body x 1, Control Box x 1, CN Plug x 1, EU Plug x 1, UK Plug x 1	
Product dimensions W x L x H	360 x 300 x 96 mm / 14.2 x 11.8 x 3.8 in (Main System) 95 x 158 x 26 mm / 3.7 x 6.2 x 1.0 in (Control Box)			
Operation condition	4°C - 60°C, 20% - 99% rH, 0% - 20% (CO <sub>2</sub> density)			
Certificate	CE, RoHS, cCSAus			
Warranty	2 years (parts and labor)			

\* Maximum load as indicated when ≤150 rpm

## Ordering information

Description	Cat. No.
<b>Instruments</b>	
CO <sub>2</sub> resistant shaker with 19 mm orbit, US style plug, 100-120 V	88881101
CO <sub>2</sub> resistant shaker with 3 mm orbit, US style plug, 100-120 V	88881101B
CO <sub>2</sub> resistant shaker with 19 mm orbit, CN, UK, EU style plugs 220-240 V	88881102
CO <sub>2</sub> resistant shaker with 3 mm orbit, CN, UK, EU style plugs 220-240 V	88881102B

## Ordering information

Description	Maximum quantity on 14.1 x 11.8 in. universal platform	Maximum quantity on 18 x 18 in. universal platform	Cat. No.	
<b>Accessories</b>				
 <p>Clamps</p>	50 mL clamp	30	49	88881105
	100 mL clamp	15	25	88881106
	150 mL clamp	15	25	88881107
 <p>Fixed tube racks</p>	200 mL clamp	15	18	88881108
	250 mL clamp	15	18	88881109
	500 mL clamp	9	10	88881110
 <p>Adjustable tube racks</p>	1000 mL clamp	6	7	88881111
	2000 mL clamp	4	4	88881112
	3000 mL clamp	2	4	88881113
 <p>Universal and rubber platforms</p>	5000 mL clamp	1	2	88881114
	500 mL infusion bottle clamp	6	12	88881115
	1000 mL infusion bottle clamp	6	9	88881116
 <p>Funnel clamp</p>	Funnel clamp	2	6	88881117
	Fixed tube rack 40 x 14 mm dia	2	4	88881118
	Fixed tube rack 40 x 16 mm dia	2	4	88881119
 <p>96-Well microplate holder</p>	Adjustable tube rack 40 x 14 mm dia	2	4	88881120
	Adjustable tube rack 40 x 16 mm dia	2	4	88881121
	14.1 x 11.8 in. Universal platform, 360 x 300 mm	—	-	88881122
 <p>Control box</p>	18 x 18 in. Universal platform, 457 x 457 mm	—	-	88881122B
	Rubber mat platform	—	-	88881123
	96-Well microplate holder	6	10	88881124
 <p>Plugs</p>	Spring wire rack 240 x 350 x 80 mm	1	1	88881125
	Sticky mat 140 x 140 mm	4	9	88881126
	Control box with 4-20 mA data output port for 19 mm orbit			88881127B
	Control box with 4-20 mA data output port for 3 mm orbit			88883101
	General power adaptor			88881128
	US plug			88881129
	CN plug			88881130
	EU plug			88881131
	UK plug			88881132
	Flask clamp starter kit - includes: (2) 100 mL flask clamps, (4) 250 mL flask clamps, (4) 500 mL flask clamps, (2) 1 L flask clamps, (2) 2 L flask clamps			88881133

## Bundle packages

Order the system and accessories separately or get started fast with one of our bundled packages. Package includes a CO<sub>2</sub> resistant orbital shaker with control box with 4-20 mA data output, 14.1 x 11.8 in universal platform (360 X 300 mm), and flask clamp starter kit.

## Ordering information

Description	Cat. No.
<b>Bundle packages</b>	
Bundle package: CO <sub>2</sub> resistant shaker 19 mm orbit, US style plug, 100-120 V including control box with 4-20 mA data output, 14.1 x 11.8 in universal platform (360 X 300 mm), and flask clamp starter kit	88881103
Bundle package: CO <sub>2</sub> resistant shaker 3 mm orbit bundle package, US style plug, 100-120 V including control box with 4-20 mA data output, 14.1 x 11.8 in universal platform (360 X 300 mm), and flask clamp starter kit	88881103B
Bundle package: CO <sub>2</sub> resistant shaker 19 mm orbit, CN, UK, EU style plugs 220-240 V including control box with 4-20 mA data output, 14.1 x 11.8 in universal platform (360 X 300 mm), and flask clamp starter kit	88881104
Bundle package: CO <sub>2</sub> resistant shaker 3 mm orbit, CN, UK, EU style plugs 220-240 V including control box with 4-20 mA data output, 14.1 x 11.8 in universal platform (360 X 300 mm), and flask clamp starter kit	88881104B

Find out more at [thermofisher.com/shakers](https://thermofisher.com/shakers)