

## Lab-Line Incubators



# Low Temperature Incubator Shakers



Model 3597

**Includes Two FREE  
Stainless Steel shelves**

### Product Description

- Observe vessel contents through a viewing window without opening the door.
- 10.4 cu. ft. (295 l) chamber accommodates a variety of 30" x 18" (76 cm x 46 cm) dedicated platforms.
- Corrosion-resistant stainless steel chamber construction.
- Optional light bank is available to mimic day and night conditions for plant and algae growth.
- Optional gassing manifold is available for the addition of CO<sub>2</sub> in the chamber.
- One inch ports are available on both sides of the chamber for chart recorders and remote thermocouples.

### Perfect for Large Scale Applications!

- Large capacity chamber—10.4 cu. ft. (295 l)
- Two electrical outlets inside chamber to operate auxiliary equipment
- Two additional shelves for extra storage
- ☆ 5 year warranty on parts, 1 year on labor and LIFETIME on drive mechanism

### Operation

- Solid state speed selector controls triple eccentric drive mechanism for smooth, uniform shaking from 40 to 400 rpm in a 1" (2.54 cm) orbit.
- Analog hydraulic thermostat regulates temperature from 0°C to 60°C with ±0.3°C control at 37°C; adjust the temperature of the unit to match thermometer temperature.
- Integrated tachometer monitors and displays rpm to guarantee accuracy.
- 24 hour timer can be set for continuous or timed shaking cycles.
- Twin ceiling-mounted blowers maintain uniformity of ±1.2°C throughout the chamber.

### Safety

- Safety interlock stops shaking motion when door is opened.
- Two back up hydraulic thermostats for high and low temperature limits. Protect cultures by controlling temperature if main temperature unit fails.

### Applications

- Cell culture
- Extraction procedures
- General mixing
- Solubility studies
- Plant growth
- Bacterial suspensions
- Hybridizations

For a complete system, order: 1. Shaker, 2. Platform, 3. Clamps

### PRODUCT SPECIFICATIONS

Orbit Dia. Inches (cm)	Speed Range rpm	Maximum Load Lb. (kg)	Temperature Accuracy at 37°C	Temperature Uniformity at 37°C	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
					W	H	D	W	H	D	
1" (2.54)	40 to 400	75 (34)	±0.3°C	±1.2°C	33 (84)	26 (66)	21(53)	40 (102)	66 (168)	26 (66)	880 (399)

### ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Operating Temp Range °C	US List Price
	Volts	Amps	Watts		
3597	120	15.0	1800	0° to 60°C	\$16,753.00
3597-1	240	7.5	1800	0° to 60°C	\$16,753.00

### ACCESSORIES

Model #	Description	US List Price
LB	Light Bank (factory installed)	\$1591.97
PR	Light Bank with Programmer (factory installed)	\$2009.43
GM	Gassing Manifold (factory installed)	\$519.12

If a 3597 shaker with a gassing manifold is desired, order 3597GM.