

GYROMAX™ 767/767R & 777/777R ORBITAL INCUBATOR SHAKERS



Incubate and Shake it to the Max...with GYROMAX!

The **GYROMAX™ 767, 767R, 777 and 777R** are chest type orbital incubator shakers that are mounted on caster wheels and supplemented by adjustable feet for increased stability. The **GYROMAX™ 777 and 777R models** offer the most capacity of all the chest-type incubator shakers in the marketplace. The double-walled construction, with 1.25" of insulation and a triple-paned, evacuated viewing glass window, minimizes heat loss. This construction, together with an efficient circulation system, ensures unrivaled optimum temperature uniformity throughout the chamber. The temperature is microprocessor-controlled and is monitored accurately by a Pt-RTD. It is digitally and reproducibly set from a membrane keypad and displayed by an LED to 0.1°C. The working temperature is from 7°C above ambient to 80°C for the 767 and 777, and 4°C to 80°C for the 767R and 777R. An independent high-temperature thermostat protects samples from over-heating in all models. In the case of refrigerated models, an independent low-limit thermostat prevents samples from overcooling. A timer is programmable up to 99 hours or for continuous operation.

Features: A large, quiet fan ensures air and temperature uniformity throughout the stainless steel chamber. The brushless drive motor is maintenance-free and generates speeds from 25 to 400 RPM that is displayed digitally. At the same RPM, the standard shaking orbit of 25 mm provides a higher oxygen transfer rate (OTR) compared to shakers with a 19-mm orbit because OTR is directly proportional to orbit size. A cooling fan ensures that this motor operates at a low temperature for a longer life. A triple-eccentric drive with counter-balancing weights provides smooth and quiet shaking. The shaking stops when the door is opened. The chamber is constructed of stainless steel. The chamber lamp is turned on and off with a switch on the control panel.

Optional accessories include: platforms, clamps, and spring racks. Platform holes are drilled to accommodate the different clamps purchased. The spring rack is designed for holding tubes in a horizontal, angled, or upright position. It can also be used to hold flasks up to 1-liter without clamps. The rack consists of a 2-tiered grid of springs. The distance between the racks is adjustable so as to accommodate tubes and flasks of different heights. It is mounted on to the platform by four screws.

Amerex Instruments, Inc.

GYROMAX™ 767/767R & 777/777R INCUBATOR SHAKERS

SPECIFICATIONS	767	767R	777	777R
TEMPERATURE				
Range w/o Refrigeration	7°C above ambient to 80°C			
Range w/ Refrigeration	4°C to 80°C			
Temperature Control	Auto-tune PID microprocessor temperature controller, Pt-RTD sensor			
Temperature Display	Digital to 0.1°C			
Accuracy/Uniformity	±0.1°C/±0.8°C at 37°C			
Speed Range	20 to 400 RPM measured directly by a speed sensor for accuracy			
Speed Display	Digital LED with direct speed sensor			
Orbit	25mm (1") orbit provides higher oxygen transfer rate than 19mm			
Timer	Programmable up to 99 hours or for continuous operation			
Insulation	1.25" double-wall housing w/ polyurethane insulation minimizes heat loss			
Safety Features	Shaking stops when door is opened. Auto-restart after power failure. Independent high- and low-limit thermostats (767R and 777R only) prevent overheating and overcooling, respectively.			
Viewing Window	Triple-pane 1.25" (30mm) thick			
Spring Rack	Accommodates an accessory spring rack that can shake flasks up to 1-L without the use of clips or clamps as well as 15-mL or 50-mL falcon tubes placed horizontally, vertically, or at 45° to the platform			
Drive	Triple-eccentric drive with counter-balancing weights provides stable shaking without the need for adjustments as the load increases			
Motor	Maintenance-free, brushless motor with a built-in cooling fan			
Chamber Dimensions	34"W x 22"D x 19.7"H		41"W x 28"D x 19.7"H	
Platform Dimensions	30"W x 18"D		38"W x 24"D	
Overall Dimensions	43.0"W x 24.7"D x 36.6"H		51.6"W x 30.0"D x 36.6"H	
Power Source	120V(or 220V), 50/60Hz, 9A	120V(or 220V), 50/60Hz, 15A	120V(or 220V), 50/60Hz, 10A	120V(or 220V), 50/60Hz, 15A

FLASK CAPACITY OF 767/767R

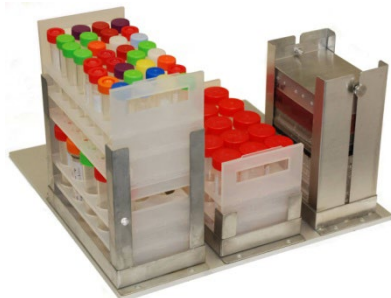
Flask Size (mL)	25	50	125	250	500	1000	2000	2800	4000	6000
No. of Flasks	144	112	60	40	24	15	12	6	6	6

FLASK CAPACITY OF 777/777R

Flask Size (mL)	25	50	125	250	500	1000	2000	2800	4000	6000
No. of Flasks	198	160	104	70	40	24	15	8	8	8

ACCESSORIES:

Holders for Tube Racks & Plates



Full Size Spring Rack



Platform with Custom Spring Rack and Other Accessories



Flask Clamps



Amerex Instruments, Inc.

3951C Industrial Way
Concord, California 94520
925.299.0743 / Fax: 925.299.0745
www.amerexinst.com
marketing@amerexinst.com