

# GYROMAX™ 777R REFRIGERATED ORBITAL INCUBATOR SHAKER



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

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The GYROMAX™ 777R orbital incubator shaker offers the most capacity among all chest-type incubator shakers in the marketplace. Its platform can accommodate twenty-four 1-L, fifteen 2-L and eight 6-L flasks. The double-walled construction, with 1.25" of insulation and a double-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 set digitally and reproducibly from a membrane keypad and displayed by an LED to 0.1°C. The working temperature is from 4°C to 70°C. An over-temperature cutoff device protects the chamber from accidental overheating. A timer is programmable up to 99 hours and 59 minutes.

A large, quiet fan ensures air and temperature uniformity throughout the stainless steel chamber. A brushless, maintenance-free drive motor generates speeds from 25 to 400 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. It also incorporates a built-in fan for operating at a lower temperature, thereby prolonging the life of the motor. A triple-eccentric drive with counter-balancing weights provides stable 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-tier 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.

# GYROMAX™ 777R INCUBATOR SHAKER

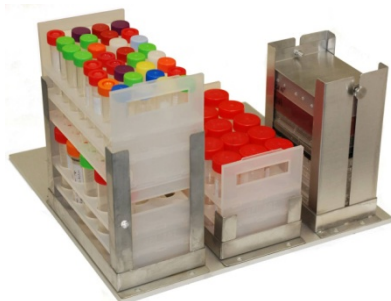
SPECIFICATIONS	777R
Temperature Range	4°C to 80°C
Temperature Control	Auto-tune PID microprocessor temperature controller, platinum RTD sensor
Temperature Display	Digital to 0.1°C
Accuracy/Uniformity	±0.1°C/±0.8°C at 37°C
Insulation	1.25" all around chamber
Safety Features	Two independent high- and low-limit thermostats protect samples by preventing them from overheating or overcooling, respectively. Shaking stops when lid is opened. Auto-restart after power failure.
Viewing Window	Triple-paned, 1.25" (30mm) thick
Spring Rack	Accommodates an accessory spring rack that can shake flasks 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	Dynamically balanced triple-eccentric drive with twelve permanently lubricated bearings
Motor	Maintenance-free, brushless motor with a built-in cooling fan
Speed Range/Display	25 to 400 RPM/analog
Orbit	1" (25mm). 38mm, 50mm and 70mm are available also
Chamber Dimensions	41"W x 28"D x 19.7"H (1040mm x 710mm x 500mm)
Timer	Programmable up to 99 hours or for continuous operation
Chamber Material	Stainless steel
Platform Dimensions	38"W x 24"D (980mm x 600mm)
Overall Dimensions	51.6"W x 30"D x 36.6"H (1310mm x 760mm x 930mm)
Power Source	120V, 50/60Hz, single phase, 15A (220V available)

## FLASK CAPACITY

Flask Size (mL)	50	125	250	500	1000	2000	2800	4000	6000
No. of Flasks	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