

Innova[®] 44 Incubator Shakers

Nothing else stacks up — incubated, refrigerated and stackable up to three high

The Innova 44 and 44R incubated and refrigerated stackable shakers with the Eppendorf triple-eccentric counterbalanced drive provide years of dependable operation. The cast iron support and counter balanced drive is specifically designed to support high speed applications and heavy workloads.

Innova 44 incubated shakers provide very broad temperature capabilities for culturing a wide variety of organisms in flasks up to 5 L. Refrigeration module is built into the Innova model 44R, or can be easily added to model 44, at any time. The Innova model 44/44R system provides space-saving design with stacking capabilities, glide up doors and an ergonomic slide-out platform.

- > Stackable up to three units for maximum space savings
- > Triple-eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation for years
- > Programmable Innova controls automatically changes temperature, speed and optional photosynthetic and UV germicidal lights at timed intervals
- > Versatile accessory platform² accommodates flasks up to 5 L
- > Shaking speed of 25 - 400 rpm provides versatility for culturing a wide variety of cell types



Space-saving door glides up and out of your way for easy access to all samples; large, clear glass viewing window provides full visibility of the entire chamber

Slide-out platform, with handles, allows easy access to all samples


Programmable controller automates making multiple setpoint changes to temperature, speed, and optional photosynthetic and UV germicidal lights; see page 4 for details

We thought of everything, from turn-key service for delivery and installation to a front-accessed electronics module to enable servicing without the need for moving or unstacking the units



- > Slide-out platform mechanism—provides easy and effortless access to flasks located in the front and back of the shaker/incubator
- > Built-in water reservoir humidifies chamber to reduce sample evaporation, while also protecting unit from spills, includes a drain for easy cleaning.
- > Pull-out service module allows access to all electronic and heating/cooling components, without having to unstack the units

Specifications, Innova® 44 / 44R*

	44	44R
Temperature		
Range	5 °C above ambient to 80 °C, max 55 °C above ambient	20 °C below ambient to 80 °C, min 4 °C; (50 Hz models: 17 °C below ambient to 80 °C)
Range with optional humidity monitor	5 °C above ambient to 60 °C, max 55 °C above ambient	20 °C below ambient to 60 °C, min 4 °C; (50 Hz models: 17 °C below ambient to 60 °C)
Range with optional photosynthetic lights	5 °C above ambient to 70 °C, max 55 °C above ambient	20 °C below ambient to 70 °C, min 4 °C; (50 Hz models: 17 °C below ambient to 70 °C)
Control	± 0.1 °C	
Stability	± 0.1 °C at 37 °C	
Uniformity	± 0.25 °C	
Orbit	2.5 or 5.1 cm (1 or 2 in)	
Shaking speed ¹		
2.5 cm orbit	25 - 400 rpm, ± 1 rpm	
5.1 cm orbit	25 - 300 rpm, ± 1 rpm	
Three stacked	25 - 250 rpm, ± 1 rpm	
Dimensions		
Platform ²	76 x 46 cm (30 x 18 in)	
Chamber	91 x 66 x 46 cm (36 x 26 x 18 in) – Height measured from top of platform	
Overall, Single Unit ³	135 x 87 x 73.5 cm (53.1 x 34.3 x 29 in), plus optional base	
Overall, 2 Units Stacked	135 x 87 x 132 cm (53.1 x 34.3 x 52 in), plus optional base	
Overall, 3 Units Stacked	135 x 87 x 198 cm (53.1 x 34.3 x 78 in), plus optional base	
Net weight	237 kg (523 lb)	257 kg (566 lb)
Certifications		

* Specifications subject to change without notice.

¹ Speed range based on shaking a typical workload. Baffled flasks can significantly reduce maximum speed.

² Platforms sold separately - see page 22. Innova 44 platforms are not interchangeable with platforms from other New Brunswick Shakers.

³ Height of single unit includes feet. No feet used on stacked units

Ordering information²

Order no.	Description
Innova® 44 Incubated	
M1282-0002	2.5 cm (1 in) Orbit, 230 V 50 Hz
M1282-0000	2.5 cm (1 in) Orbit, 120 V 60 Hz
M1282-0012	5.1 cm (2 in) Orbit, 230 V 50 Hz
M1282-0010	5.1 cm (2 in) Orbit, 120 V 60 Hz
Innova® 44R Incubated/Refrigerated	
M1282-0006	2.5 cm (1 in) Orbit, 230 V 50 Hz
M1282-0004	2.5 cm (1 in) Orbit, 120 V 60 Hz
M1282-0016	5.1 cm (2 in) Orbit, 230 V 50 Hz
M1282-0014	5.1 cm (2 in) Orbit, 120 V 60 Hz
Base: Raises shaker height for easier access to chamber & controls.	
M1282-0600	Short Base to raise shakers by 10.2 cm (4 in). For use with up to three stacked shakers
M1282-0800	Medium Base to raise shakers by 30.5 cm (12 in). For use with up to two stacked shakers
M1282-0700	Tall Base to raise shakers by 40.6 cm (16 in). For use with a single shaker
Stacking Kit: Required when stacking units.	
One kit joins two shakers. Two kits needed for three shakers.	
M1282-0500	Kit to join two Innova® 44/44R Shakers
M1282-0501	Kit to join Innova® 44/44R with Innova® 4400. (44 shakers must be installed below 4400)
More Options:	
M1282-9922	Programmable Photosynthetic Light Bank for Model 44R only, factory installed
M1282-0291	12-Port Gassing Manifold for direct gassing into flasks, factory installed
M1282-5011	Humidity Monitor, factory installed. (With humidity monitor, max temperature is 60 °C)
M1282-9921	Programmable UV Germicidal Lamp for Model 44R only, factory installed
M1282-8038	Remote Alarm Contact, factory installed, for communication with user-supplied building monitoring system
M1291-1000	BioCommand® SFI Data-Logging Software, includes software, cable to connect one shaker