

# Incubator Shakers



Model	Innova® S44i	Innova® 44/44R	Innova® 43/43R	Innova® 42/42R	Innova® 40/40R	New Brunswick S41i
<b>Positioning</b>	Most advanced stackable (2-3x) incubator shaker with highest capacity in our portfolio - ready for high yield plasmid/protein expression protocols	Stackable (2-3x) incubator shaker with high vessel capacity	Top-loading incubator shaker with large capacity for easy handling flasks with volume up to 6 L	Space-saving, stackable (2x) incubator shaker with high versatility regarding lab positioning and options	Benchtop orbital shaker with compact design and capacity for flasks with a volume up to 3 L	Large (170 L) CO <sub>2</sub> incubator shaker with integrated high temperature disinfection and shaker inside
<b>Capacity</b>	extra large	large	large	medium	medium	medium
<b>Platform size (cm/in)</b>	76 × 62 cm (30 × 24 in)	76 × 46 cm (30 × 18 in)	76 × 46 cm (30 × 18 in)	46 × 46 cm (18 × 18 in)	46 × 46 cm (18 × 18 in)	36 × 61 cm (14 × 24 in)
<b>Max. vessel volume (without static shelf, depending on flask format)</b>	5 L	5 L	6 L	6 L	3 L	4 L
<b>Application-related features</b>						
<b>Bacteria, Yeast, Fungi, Insect cells</b>	■	■	■	■	■	–
<b>Algae/plant cells</b>	■ (LED-light, tunable intensity to simulate day/night-cycles)	■ (fluorescent bulbs, no intensity modulation)	■ (fluorescent bulbs, no intensity modulation)	■ (fluorescent bulbs, no intensity modulation)	–	–
<b>Mammalian cells (CO<sub>2</sub> control &amp; humidification)</b>	–	–	–	–	–	■
<b>Parallel static cultivation</b>	■ (static shelves optional)	–	–	■ (one static shelf included, culture drawer for Agar plates optional)	–	■ (one static shelf included, second shelf optional)
<b>Orbit</b>	2.5/5.1 cm (1/2 in)	2.5/5.1 cm (1/2 in)	2.5/5.1 cm (1/2 in)	1.9/2.5 cm (0.75/1 in)	1.9/2.5 cm (0.75/1 in)	2.5 cm (1 in)
<b>Temperature range</b>	Incubated: 10 °C above ambient to 80 °C; Refrigerated: 20 °C below ambient (min. 4 °C) to 80 °C.	Incubated: 10 °C above ambient to 80 °C; Refrigerated: 20 °C below ambient (min. 4 °C) to 80 °C (max. 70 °C with PS-light, 60 °C with rH-monitoring).	Incubated: 10 °C above ambient to 80 °C; Refrigerated: 20 °C below ambient (min. 4 °C) to 80 °C (max. 70 °C with PS-light, 60 °C with rH-monitoring).	Incubated: 10 °C above ambient to 80 °C; Refrigerated: 20 °C below ambient (min. 4 °C) to 80 °C (max. 70 °C with PS-light, 60 °C with rH-monitoring).	Incubated: 10 °C above ambient to 80 °C; Refrigerated: 15 °C below ambient (min. 4 °C) to 80 °C.	Ambient +4 °C to 50 °C
<b>Speed range</b>	2.5 cm orbit: 20 – 400 rpm, 5.1 cm orbit: 20 – 300 rpm	25 – 400 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit or 2 stacked units; 25 – 250 rpm with 3 stacked units	25 – 500 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit	25 – 400 rpm; 25 – 300 rpm when using flasks > 500 mL in stacked devices	50 – 400 rpm	25 – 400 rpm (25 – 250 rpm if stacked)
<b>Ergonomics, programming, VisioNize connectivity</b>						
<b>Door opening</b>	glide up	glide up	console style	opening to front	top opening hood	opening to front
<b>Platform type</b>	slide out	slide out	fixed	fixed	fixed	fixed
<b>Programming steps / storable programs</b>	unlimited/unlimited	15/4	15/4	15/4	15/4	–
<b>VisioNize connectivity</b>	VisioNize touch enabled	VisioNize box enabled	VisioNize box enabled	VisioNize box enabled	VisioNize box enabled	VisioNize box enabled
<b>Additional information</b>						
<b>Drive mechanism</b>	Eppendorf X-Drive	triple-eccentric counterbalanced drive	triple-eccentric counterbalanced drive	triple-eccentric counterbalanced drive	triple-eccentric counterbalanced drive	triple-eccentric counterbalanced drive
<b>Dimensions (W × D × H)</b>	118.2 × 86.9 × 63 cm / 46.5 × 34.2 × 24.8 in	134.9 × 84.3 × 66 cm / 53.1 × 33.2 × 26 in	115.6 × 81.3 × 103.1 cm / 45.5 × 20 × 40.6 in	63.5 × 74.5 × 81.8 cm / 25 × 29.3 × 32.8 in	55.9 × 76.2 × 61 cm / 22 × 30 × 24 in	87.5 × 73 × 85 cm / 34.4 × 28.7 × 33.5 in
<b>Device weight without accessories (non-refrigerated / refrigerated)</b>	181g (400 lbs) / 188g (415 lbs)	238g (525 lbs) / 259g (570 lbs)	209g (460 lbs) / 231g (510 lbs)	98g (217 lbs) / 121g (266 lbs)	60g (133 lbs) / 79g (175 lbs)	154g (340 lbs)

