



THE NEW INNOVA®

Built on Innovation

Innova S44i: A smarter shaker

Since its introduction, the cast iron triple-eccentric drive from Eppendorf has been the gold-standard in shaker drive technology. It is the foundation upon which Eppendorf shakers and the trust of the scientific community are built. Eppendorf has now designed the next-generation shaker drive to offer you maximum performance, flexibility, and peace-of-mind. We proudly unveil the patented¹, Eppendorf X-Drive.

Shake with ease

The Eppendorf X-Drive is precisely engineered with five-eccentric shafts to balance even the heaviest load while providing consistent and smooth shaking. The robust and industrial construction of the drive is designed for round-the-clock operation.

Consistent and vibration-free

Intelligent counterbalance technology of the Eppendorf X-Drive ensures vibration-free shaking even with uneven loads. The intuitive touchscreen controller of the Innova S44i provide step-by-step guidance to resolve any imbalance and maintain optimal agitation.

Built to last

- > Up to 80 % higher load capacity than Innova 44/44R and up to 183 % higher load capacity than competitor
- > Efficient oxygen transfer for demanding applications with shaking speeds levels up to 400 rpm²
- > Available in orbit sizes of 2.5 or 5.1 cm (1 or 2 in) for flexibility

¹ Patent number US 8,226,291 B2.



² With 2.5 (1 in) cm orbit only; maximum speed is 300 rpm with 5.1 cm (2 in) orbit

Innova® S44i Ordering Information

Orbit	Europe† 230 V, 50/60 Hz	USA 120 V, 50/60 Hz	Japan 100 V, 50/60 Hz
2.5 cm (1 in) orbit, incubated	S44I300001	S44I200005	S44I200006
2.5 cm (1 in) orbit, refrigerated	S44I310001	S44I210005	S44I210006
2.5 cm (1 in) orbit, refrigerated, photosynthetic LED lights	S44I311001	S44I211005	
5.1 cm (2 in) orbit, incubated	S44I320001	S44I220005	S44I220006
5.1 cm (2 in) orbit, refrigerated	S44I330001	S44I230005	S44I230006
5.1 cm (2 in) orbit, refrigerated, photosynthetic LED lights	S44I331001	S44I231005	

†Last digit is country dependent. For UK/HKG, change 1 to 2; for Australia, change 1 to 3; for China, change 1 to 4; for Argentina, change 1 to 8; for Brazil, change 1 to 9.

Innova® S44i Technical Specifications*

Amnova 3500 Technical Specifications		
Temperature		
Temperature range ¹	Incubated	5 °C above ambient temperature to 80 °C
	Refrigerated	20 °C below ambient temperature (minimum 4 °C) to 80 °C
Control increments	±0.1 °C	
Control accuracy	±0.1 °C at 37 °C	
Uniformity	±0.25 °C at 37 °C and 250 rpm	
Agitation		
Drive	Eppendorf X-Drive with semi-automated counterbalance	
Orbit	2.5 cm (1 in) or 5.1 cm (2 in)	
Speed	2.5 cm (1 in) orbit: 20 – 400 rpm	
	5.1 cm (2 in) orbit: 20 – 300 rpm	
Control increments	±1 rpm	
Control accuracy	±0.5 rpm	
Maximum platform load	35.5 kg (78.3 lb)	
Photosynthetic LED lights		
Main wavelength	Wide band spectrum; 400 nm – 700 nm	
Intensity Range	15 PAR to 150 PAR	
Control Increments	±10 %	
Control Accuracy	±10 %	
Program modes		
Timed mode	Up to 95:59 hours; timed programs with multiple steps and cycling	
Dimensions and weight		
External dimensions, single unit (W × D × H)	118.2 × 95.8 × 63.1 cm (46.5 × 37.7 × 24.8 in), plus positioning base of choice	
Platform dimensions (W × D × H)	76.2 × 62.0 × 0.8 cm (30.0 × 24.4 × 0.3 in)	
Net weight	Incubated	186 kg (410 lb)
	Refrigerated	198 kg (437 lb)
	Platform	10 kg (22 lb)
Interfaces	USB & Ethernet	
Certifications	 	

*Specifications subject to change.

¹Maximum temperature cannot exceed 60 °C if photosynthetic LED lights option is in place.

Your local distributor: www.eppendorf.com/contact

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