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 patented\(^1\), 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 rpm\(^2\)  
> Available in orbit sizes of 2.5 or 5.1 cm (1 or 2 in) for flexibility

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\(^2\) With 2.5 (1 in) cm orbit only; maximum speed is 300 rpm with 5.1 cm (2 in) orbit.
Innova® S44i Ordering Information

<table>
<thead>
<tr>
<th>Orbit</th>
<th>Europe†</th>
<th>USA</th>
<th>Japan</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 cm (1 in) orbit, incubated</td>
<td>230 V, 50/60 Hz</td>
<td>S44I300001</td>
<td>S44I200005</td>
</tr>
<tr>
<td>2.5 cm (1 in) orbit, refrigerated</td>
<td>230 V, 50/60 Hz</td>
<td>S44I310001</td>
<td>S44I210005</td>
</tr>
<tr>
<td>2.5 cm (1 in) orbit, refrigerated, photosynthetic LED lights</td>
<td>230 V, 50/60 Hz</td>
<td>S44I310001</td>
<td>S44I210005</td>
</tr>
<tr>
<td>5.1 cm (2 in) orbit, incubated</td>
<td>120 V, 50/60 Hz</td>
<td>S44I311001</td>
<td>S44I211005</td>
</tr>
<tr>
<td>5.1 cm (2 in) orbit, refrigerated</td>
<td>120 V, 50/60 Hz</td>
<td>S44I320001</td>
<td>S44I220005</td>
</tr>
<tr>
<td>5.1 cm (2 in) orbit, refrigerated, photosynthetic LED lights</td>
<td>120 V, 50/60 Hz</td>
<td>S44I330001</td>
<td>S44I230005</td>
</tr>
</tbody>
</table>

†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*

**Temperature**

- **Temperature range**: 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)

**Certifications**

[UL and CE symbols]

*Specifications subject to change.

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

Your local distributor: www.eppendorf.com/contact
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www.eppendorf.com/InnovaS44i