

Stackable Incubator Shaker – Comparison Checklist



Innova® S44i

Capacity and compatibility	
Vessel capacity	Universal/dedicated platform
500 ml Erlenmeyer	36/39
1 L Erlenmeyer	20/23
2 L Erlenmeyer	13/15
2.5 L Ultra Yield™	13/15
Maximum flask size	5 L
Stackability	Up to 2 or 3 (max. speed for all stacked devices: up to 400 rpm (2.5 cm, 1 in orbit) and 300 rpm (5.0 cm, 2 in orbit))
Growth conditions	
Drive type	Five eccentric shafts (four peripheral to support weight)
Speed control accuracy	± 0.5 rpm
Speed deviation alarm	± 5 rpm
Continuous imbalance monitoring	Yes
Imbalance adjustment function	Yes (semi-automatic)
Temperature accuracy	± 0.1 °C (at 37 °C)
Temperature uniformity	± 0.25 °C (at 37 °C)
Decentralized cooling	Yes, every device with independent cooling
Handling, Ergonomics, Service	
Door type	Space-saving glide up
Platform operation	One-handed slide out
Programmable temperature or speed rampings, programmable LED intensity	Yes, multistep or cyclic
Program storage	Yes, unlimited
Data and event log (tracking of alarms, chamber temperature, rpm, door openings etc.)	Yes (accessible via USB/User Interface)
Access restriction to change settings	Yes (User Management)
Weight	188 kg (refrigerated, cooling unit included)
Servicing	From side (no need to move device)

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