

Shakers list

Shaker model	Manufacturer	Reseller	Type	RPM range
Excella E5	Eppendorf	Eppendorf BE	Orbital	50 to 400
Excella E24	Eppendorf	Eppendorf BE	Orbital	50 to 400
Excella E24R	Eppendorf	Eppendorf BE	Orbital	50 to 400
Innova 40	Eppendorf	Eppendorf BE	Orbital	25 to 500
Innova 40R	Eppendorf	Eppendorf BE	Orbital	25 to 500
Mid range 3D shaker	GlasCol	BRS BE	3D	10 to 170
Digital Pulse Mixer	GlasCol	BRS BE	Orbital	100 to 1800
Orbitron V Platform Rotator	Boekel Scientific	Cole-Parmer BE	Orbital 3-D	5 to 120
KS3000 I control	IKA [GER]		Orbital	10 to 500
KS4000 I control	IKA [GER]		Orbital	10 to 500
IncuShaker 10L	Benchmark Scientific [USA]		Orbital	30 to 300

First choice: temperature control, computer control, high load conditions, cheaper

Second choice: best performances, but more expensive

Speed increment	Orbit (cm)	Max load (kg)	Platform Dimensions (cm)	Temperature range (Celsius)	Pulse?
1	1.9	15	33 x 28 or 46 x 46*	Unknown, but no temp control	No
1	1.9	> 15	51.4 x 54.6	Ambient + 7 to 60	No
1	1.9	> 15	51.4 x 54.6	Ambient – 15 to 60	No
1	1.9, 2.5	> 15	45.72 x 45.72	Ambient +5 to 80	No
1	1.9, 2.5	> 15	45.72 x 45.72	Ambient – 15 to 50	No
?	-	18	No platform^	Unknown, but no temp control	No
?	?	4.5	30 x 36	Unknown, but no temp control	Yes
1	?	9	30.48 x 30.48	4 to 40, no temp control	No
10	2	7.5	Possibly 43 x 43	Ambient + 5 to 80	No
10	2	20	Possibly 43 x 43	Ambient + 5 to 80	No
1	1.9, 2.5	10??	45 x 45	Ambient + 5 to 60	No

* according to the datasheet

^ this model operates with a holder

Computer control?	Data Log?	Incubate?	Refrigerate?	URL	Price (euros)
No	No	No	No	http://ww	2800
No	Yes	Yes	No	http://w	5917
No	Yes	Yes	Yes	http://ww	8064
Yes	Yes	Yes	No	http://w	7673
Yes	Yes	Yes	Yes	http://w	9001
No	No	?	No	http://w	7397
Yes	Yes	No	No	http://w	4746
No	No	No	No	http://w	2568.71
Yes	Yes	Yes	No	http://ika.	4390
Yes	Yes	Yes	No	http://ika.	5201
No	No	Yes	No	http://ww	3012.21

Comments

GlasCol shakers: poor overload control and speed control

With attachment (cost: 513 euros) and software

Price in dollars (19/03): 3896