



CE



Stainless steel, 24 position tube carrier

- + Fast, efficient homogenization, usually in 35 seconds or less
- + For all sample types, from soft tissue to bone
- + High throughput, up to 24 samples
- + Sealed 2.0 ml tubes, no cross contamination

The BeadBlaster™ 24 completely lyses, grinds and homogenizes a broad variety of biological samples. Even the most difficult and resistant samples are fully homogenized, often in 35 seconds or less. The stainless steel tube carrier subjects up to 24 samples to an optimized, high speed, 3D motion, producing high energy impacts between the samples and micro-beads to release cellular contents. To protect heat sensitive samples, the unit can be digitally programmed to operate in shortened consecutive cycles with a rest period in between.



Benchmark offers an assortment of prefilled tube kits for a variety of sample types. The popular Triple-Pure™ kits include acid washed, heat treated, zirconium beads. The beads are tested to be free of nucleases, making them ideal for molecular biology applications. A convenient starter kit (55D1032-SK) is available to accommodate a broad range of samples and optimize applications.



## Technical Data:

Speed:	<b>4.00 to 7.00 m/s</b>
Speed Increments:	<b>0.05 m/s</b>
Capacity:	<b>24 x 2.0 ml tubes or 6 x 5 ml</b>
Cycle Time:	<b>1 to 90 sec. (1 sec. increments)</b>
Pause Between Cycles:	<b>0 to 2 min. (1 sec. increments)</b>
Max Cycles per program:	<b>10</b>
Program Memory:	<b>50</b>
Accel/Decel:	<b>&lt;2 sec. / &lt;2 sec.</b>
Noise Level:	<b>&lt;68 db</b>
Operating Temp. Range:	<b>+4 °C to +65 °C (ambient temp.)</b>
Dimensions: (W x D x H)	<b>28 x 36 x 38.5 cm</b>
Weight:	<b>25 kg</b>
Electrical:	<b>Universal Voltage 100V to 240V, 50-60Hz, 600W</b>
Warranty:	<b>2 Years</b>

Additional bead types are also available (in both bulk and prefilled kits). Please contact us for a complete listing.

[www.biozym.com](http://www.biozym.com)

## Ordering Information:

Item No.	Description:
55D2400-E	BeadBlaster™ 24 Microtube Homogenizer* with 24 x 2.0 ml tube holder
55D2400-R5	Optional tube holder, 6 x 5ml
<b>Prefilled Tube Kits:</b>	<b>Include 2.0ml non-skirted screw cap tubes with caps, sealing rings and beads as specified below:</b>
55D1031-01	Standard glass beads, Ø 0.1 mm, 50 pk.
55D1031-05	Standard glass beads, Ø 0.5 mm, 50 pk.
55D1031-10	Standard glass beads, Ø 1.0 mm, 50 pk.
55D1032-01	Triple-Pure, high impact zirconium beads, Ø 0.1 mm, 50 pk.
55D1032-05	Triple-Pure, high impact zirconium beads, Ø 0.5 mm, 50 pk.
55D1032-10	Triple-Pure, high impact zirconium beads, Ø 1.0 mm, 50 pk.
55D1032-15	Triple-Pure, high impact zirconium beads, Ø 1.5 mm, 50 pk.
55D1032-30	Triple-Pure, high impact zirconium beads, Ø 3.0mm, 50 pk.
55D1032-SK	Starter Kit, 10 ea. of Ø 0.1, 0.5, 1.0, 1.5 & 3.0 Triple-Pure, high impact Zirconium
55D1032-60	One ceria zirconium oxide satellite, <dia> 6.0 mm, 50 pk.
55D1033-28	Stainless steel beads, Ø 2.8 mm, 50 pk.
55D1033-30G	Garnet shards with 1 zirconium bead Ø 6.0 mm, 50 pk.
55D1034-MX	Mixed format, 0.1 mm silica, 1.4 mm zirconium, 4 mm silica, 50 pk
55D1031-T20	Empty tubes (2.0 ml) pack of 1000
55D1031-RF	Reinforced empty tubes (2.0 ml) pack of 500
55D1034-28	5ml tubes (snap cap) with stainless beads, Ø 2.8 mm, 50 pk