

Benchmark Scientific Handheld Homogenizer

Description • Benchmark's D1000 handheld homogenizer is designed to rapidly homogenize, emulsify, suspend and disrupt

- Ideal for use with microtubes, the homogenizer works well with samples from 0.1 mL to 250 mL (depending upon the generator probe used)
- The D1000 is a rotor stator homogenizer, and works by drawing the sample, in liquid, into the generator probe with the variable speed rotor, and then forcing it out through the slots in the stator
- This achieves mechanical shearing of the sample
- As the sample is repeatedly drawn up and forced through the stator, additional shearing takes place
- Most samples are completely homogenized in 30 seconds or less
- A powerful, 130W motor drives the rotor at speeds from 8,500 to 30,000 rpm
- Speed is adjustable in six steps to meet sample processing needs
- A separate on/off switch allows the homogenizer to be left at the appropriate setting
- Generator probes are available in four sizes
- The 5 mm and 7 mm diameter have a 50 mm length for use with samples in microtubes
- The 10 mm x 115 mm is ideal for use with 15 and 50 mL tubes
- The 14 mm x 130 mm is ideal for 50 mL tubes and vessels up to 250 mL
- The unit is supplied with one each of the 5 mm and 7 mm generator probes
- All the generator probes are made of stainless steel and can be sterilized by autoclaving



Specifications:

- Speed range: 8500 to 30,000 rpm
- Capacity: 0.1 to 250 mL
- Noise level: • Operating temperature range: 4 to 65°C
- Dimensions: 1.89 x 2.3 x 9 in. (4.5 x 5.8 x 22.5 cm)
- Weight: 1.35 lbs (0.62 kg)
- Electrical: 115V, 60 Hz
- Warranty: 2 years
- Supplied with both 5 mm & 7 mm generator probes

Image(s) are representative of the product group and not necessarily the individual product.

Order	24-Apr-2024 04:03: AM PDT		PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.				
Catalog	Item	Availability	Manufacturer	Mfg. Part #	NDC#	Your Price	Unit
655-10093-EA	D1000 Homogenizer, includes 5 mm and 7 mm generators (ideal for microtubes), 115V - 1 ea Homogenizer Probe Diameter (mm): 5 and 7 Probe Length (mm): 50 	Sign In	Benchmark Scientific	D1000			EA

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Catalog	Item	Availability	Manufacturer	Mfg. Part #	NDC#	Your Price	Unit
655-10096-EA	Optional generator, 10 mm x 115 mm saw tooth, for 15 mL and 50 mL tubes - 1 ea Generator Probe Probe Diameter (mm): 10 Probe Length (mm): 115 		Benchmark Scientific	D1000-M10			EA
655-10099-EA	Optional generator 14 mm x 130 mm saw tooth, for 50 mL tubes up to 250 mL vessels - 1 ea Generator Probe Probe Diameter (mm): 14 Probe Length (mm): 130 		Benchmark Scientific	D1000-M14			EA
655-10102-PK	Replacement generator pack, 5 mm x 50 mm for microtubes, pack of 5 - 5 ea Generator Probe Probe Diameter (mm): 5 Probe Length (mm): 50 		Benchmark Scientific	D1000-M5			PK
655-10105-PK	Replacement generator pack, 7 mm x 50 mm saw tooth for microtubes, pack of 5 - 5 ea Generator Probe Probe Diameter (mm): 7 Probe Length (mm): 50 		Benchmark Scientific	D1000-M7			PK
655-10108-EA	Stand for D1000 Homogenizer (Cat. No. 655-10093) - 1 ea Stand 		Benchmark Scientific	D1000-ST			EA