

Cole-Parmer® LabGEN® 125 and 700 Homogenizer Systems

Process almost any sample, large or small!

- Process samples from 0.05 mL to 10 L
- Variable-speed motor performs at 5000 to 30,000 rpm
- Homogenize tissue samples quickly and efficiently—without worrying about cross-contamination
- Versatile—use as a handheld unit or mount to the optional stand for hands-free operation

LabGEN 125 Homogenizer is ergonomically designed to reduce hand strain during extended periods of operation. **LabGEN 125 Homogenizing Kits** contain everything you need to get started, including 12 plastic tip probes, tip adaptor, and a storage case.

LabGEN 700 Homogenizer is a versatile heavy-duty unit that can handle virtually any homogenizing task—dispersion, tissue processing, cell disruption, and preparing emulsions. Process samples from 0.05 mL to 10 L at speeds up to 30,000 rpm.



REQUIRED System Components

- 1) Homogenizer
 - 2) Rotor-stator generator OR
 - 3) Plastic tip probes and required tip adaptor 04727-88
- OPTIONAL**
- 4) Stand and Motor support rod



1. Homogenizers

Description	Sample volume	Plastic tip probes included	Power	Motor	Catalog number	Price
LabGEN 125 homogenizer	0.05 to 100 mL	—	115 VAC, 50/60 Hz 220 VAC, 50/60 Hz	125 W	GH-04727-01 GH-04727-02	
LabGEN 125 homogenizer kits (include LabGEN 125 homogenizer, 12 plastic tip probes, tip adaptor 04727-88, and storage case)	0.25 to 30 mL	12 hard tissue	115 VAC, 50/60 Hz	125 W	GH-04727-11	
			220 VAC, 50/60 Hz		GH-04727-12	
		12 soft tissue	115 VAC, 50/60 Hz	GH-04727-13		
			220 VAC, 50/60 Hz	GH-04727-14		
LabGEN 700 homogenizer	0.05 mL to 10 L	—	115 VAC, 50/60 Hz 220 VAC, 50/60 Hz	700 W	GH-04727-03 GH-04727-04	

2. Stainless Steel Rotor-Stator Generators

Dispersion type	Sample volume	Diameter	Length	Catalog number	Price
Fine	0.05 to 5 mL	5-mm	75	GH-04727-60	
Coarse		5-mm		GH-04727-62	
Fine	0.25 to 30 mL	7-mm	95	GH-04727-68	
Fine	1.5 to 100 mL	10-mm	95	GH-04727-77	
Fine	1.5 to 100 mL	10-mm	195	GH-04727-81	

3. Plastic Tip Probes

Sample volume	Tissue type	Tip size (L x dia)	Cat. no.	Qty/pk	Price/pk
0.25 to 30 mL	Hard	110 x 7 mm	GH-04727-84	25	
			GH-04727-85	50	

[GH-04727-88](#) Tip adaptor, required for use with plastic tip probes

4. Optional Stand

[GH-04727-89](#) Homogenizer stand with support rod

IKA® T10 basic ULTRA-TURRAX® Homogenizer

No need for tools—quick-release for easy change outs

- Lightweight, ergonomic form is ideal for manual operation

This compact homogenizer is great for high-speed handheld operation. Through a combination of shear, impact, collision, and cavitation, the generator rapidly disperses and disintegrates the material suspended in the media. Stainless steel dispersion elements remove quickly and clean completely for reuse. Disposable dispersion elements eliminate concerns of cross-contamination with DNA or PCR analysis.

What's included: storage case, clamp 04720-80, and 6-ft (1.8-m) power cord.



REQUIRED System Components

- 1) Homogenizer
- 2) Rotor-stator generator

1. Homogenizer

Description	Handheld Homogenizers	
Catalog number	GH-04720-50	GH-04720-51
Speed range	8000 to 30,000 rpm	
Batch volume range	0.5 to 100 mL	
Noise rating	65 dB	
Speed adjustment	Stepless	
Wattage	125 input, 75 output	
Power	115 VAC, 50/60 Hz 230 VAC, 50/60 Hz	
Price		

2. Rotor-Stator Generators

Sample volume range	Dimensions (L x OD)	Qty	Catalog number	Price
Stainless steel dispersion elements				
0.5 to 10 mL	92 x 5 mm	1	GH-04720-72	
1 to 50 mL	115 x 8 mm	1	GH-04720-73	
1 to 100 mL	115 x 10 mm	1	GH-04720-74	
Disposable plastic tip dispersion elements				
1 to 20 mL	65 x 7 mm	25/pk	GH-04720-76	
1 to 40 mL	110 x 7 mm	25/pk	GH-04720-78	

[GH-04720-79](#) Support stand (requires cross sleeve 04720-81)

[GH-04720-81](#) Cross sleeve, attaches stand to clamp

[GH-04720-80](#) Replacement clamp (one is included with homogenizer)

