

TH TISSUE HOMOGENIZER

The **OMNI TH** is a powerful tissue homogenizer that was designed to handle a wide range of samples from <math><200 \mu\text{L}</math> to 100 mL. The **TH** quickly and efficiently processes a wide variety of sample types and is compatible with several types of generator probes for flexibility in application requirements.

Patented **Omni Tip™ Plastic Generator Probes**, in both soft tissue and hard tissue versions, are available for customers concerned about cross-contamination between samples (see back page). Stainless steel generator probes are recommended for larger, tougher sample types. Specially designed Hybrid plastic/stainless steel probes are also available.

The **Omni TH** is ideal for a wide range of applications, such as tissue homogenization, emulsions and suspensions, cell disruption, protein extraction and medical research. It is lightweight enough to be hand-held and can also be mounted to a motor stand (clamp included) for lengthier processing.

Processing Range: <math><200 \mu\text{L}</math> to 100 mL

Speed: Variable from 5,000 to 35,000 rpm

Power Rating: 125 watt max

Dimensions: 9" H x 2.5" max diameter

Weight: 466 g (16.4 oz.)

Sound Level: <math><72 \text{ db}</math>

Warranty: 2 year motor warranty

Compliance: CE approved

Features

- Powerful 125 watt motor
- Light weight ergonomic design with optional post-mounting
- Quiet operation
- 1/4 turn quick connect coupling
- Works with a wide selection of stainless steel and Omni Tip™ plastic generator probes



OMNI
International
The Homogenizer Company™

Stainless steel probes

5 MM

7 MM

10 MM



DIAMETER	PROCESSING RANGE	LENGTH	TYPE	RESULTING PARTICLE SIZE	ORDER NO.
5 mm	0.20 mL - 5 mL	75 mm	Flat Bottom	Fine	G5-75
			Flat Bottom - Wide Window	Coarse	G5-75W
7 mm	0.25 mL - 30 mL	115 mm	Saw Tooth	Fine	G7-115ST
			Saw Tooth - Wide Window	Coarse	G7-115STW
10 mm	1.5 mL - 100 mL		Saw Tooth	Fine	G10-115
			Saw Tooth - Wide Window	Coarse	G10-115W



Omni Tip™ plastic disposable generator probes

The Omni Tips' patented design eliminates the hassle of disassembly and maintenance of traditional stainless steel generators.

Features

- **Economical:** <1% of the cost of stainless steel probes
- **Eliminates Cross Contamination**
- **Ideal for PCR, RNA, and DNA sample preparation**
- **Maintenance Free**

"With Omni Tips™ I can be certain that all the tissue sample has been homogenized; there is no sample loss. I found that the Omni Tip™ hard tissue version worked as well as the stainless steel probe."

— Rob T., National Institutes of Health

"The Omni hard tissue tips have been indispensable to us in the analysis of heart, skeletal muscle and tumor tissue. Thank you for this product."

— Caryl A., Methodist Research Center

Proprietary **Omni Tip™ Probes** are available in both soft tissue (deaggregation) and hard tissue versions. Engineered from durable plastics, **Omni Tips™** are reusable (by chemical sterilization or autoclave) and are economical enough to be disposed of after each use to eliminate cross contamination.

The outer tube of **Omni Tips™** is made of Lexan 144R, a polycarbonate. The inner shafts are made of Ultem 1000, a polyetherimide. The **Omni Tips'** patented design eliminates the hassle of disassembly and maintenance of traditional stainless steel generators. Treatable volume - 250 µL to 30 mL.

Omni Tip™ Plastic Probe Selection Guide

SOFT TISSUE PLASTIC GENERATOR PROBES

	ORDER NO.
Omni Tip™ Plastic Generator Probes, Soft Tissue 25 pack	30750
Omni Tip™ Plastic Generator Probes, Soft Tissue 50 pack	32750
Omni Tip™ Plastic Generator Probes, Soft Tissue 100 pack	34750

HARD TISSUE PLASTIC GENERATOR PROBES

	ORDER NO.
Omni Tip™ Plastic Generator Probes, Hard Tissue 25 pack	30750H
Omni Tip™ Plastic Generator Probes, Hard Tissue 50 pack	32750H
Omni Tip™ Plastic Generator Probes, Hard Tissue 100 pack	34750H



OMNI
International

935-C Cobb Place Blvd
Kennesaw, GA 30144
Phone: 770.421.0058 • Fax: 770.421.0206
www.omni-inc.com



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