

# 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



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