

Automated High-Throughput Homogenization

Compatible with
HAMILTON
Star Liquid
Handling Workstations



Omni Prep 96
Automated Sample Prep Homogenizer Workstation

Process in Hamilton Star tube carriers, which can then be loaded directly into Hamilton Star Liquid Handler Workstations

96 – Sample Automated Homogenizer

The unique **Omni Prep 96** Multi-Sample Homogenizer supports automated homogenization of up to ninety six samples in a single batch. With the **Omni Prep 96** workflow software, custom profiles can be created and deployed in minutes through an interactive GUI for hands-free sample prep of one to ninety six samples.

Key Features

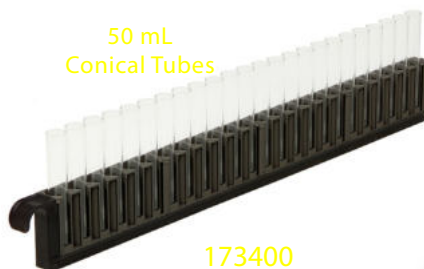
- Automated homogenization of up to ninety six samples
- Eliminates cross contamination and sample carry over
- Create custom sample processing profiles in the Prep 96 software
- Unique oscillating motion to ensure complete homogenization
- Process samples in common tube sizes such as 14 mL, 15 mL and 50 mL conical tubes.

14/15 mL
Conical Tubes

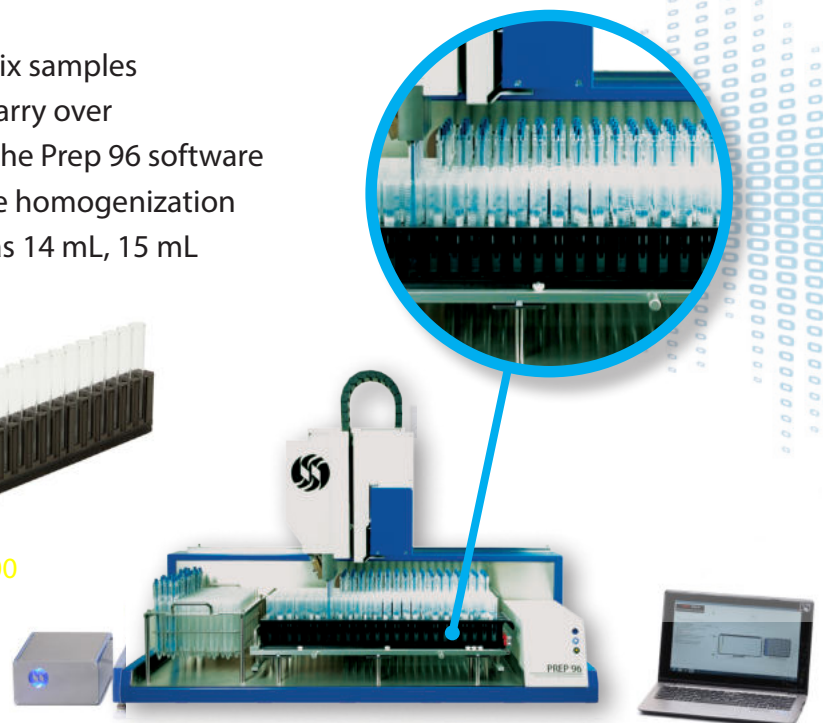


182045

50 mL
Conical Tubes



173400



Eliminate Cross Contamination

The **Omni Prep 96** is capable of utilizing 7 mm plastic **Omni Tip™ generator probes**. Clean Omni Tips are selected for each sample processing step then ejected between samples to ensure only clean tips are used for each sample thus eliminating cross contamination. Omni Tips remove the tedious task of disassembly and cleaning of stainless steel generator probes. With the ability to have a one use generator probe, Omni Tips are an ideal solution for applications targeted at nucleic acid extraction or for applications where reproducibility is critical.



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**

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.

Optional Stainless steel probes

Omni's stainless steel probes are ideal for larger sample volume, larger initial sample tissue size, and tougher tissue types. Stainless steel probes offer superior resistance to most organic solvents commonly used during homogenization.

Hybrid probes

The **Omni Tip™ Hybrid Probes** combine the convenience of disposable plastic probes with the durability of traditional stainless steel probes. Hybrid probes are made up of an outer stainless steel tube with an inner Ultem™ plastic shaft. The plastic shafts can either be disposed of after use or cleaned and reused multiple times. The simple two-piece design makes these probes much easier to clean and disassemble than traditional stainless steel probes.

