

# Tissue Cell Disruption System

This tissue cell disruption system provides a fast and efficient method for breaking down tissue cells. It offers a higher rate of extraction compared to artificial grinding, repetitive freeze-thaw, homogenization, and chemical treatment methods.



## ADDITIONAL IMAGES



## System Overview

### High-Efficiency Tissue Homogenization

The DS1000 is an advanced homogenization system designed for the rapid and efficient extraction of DNA, RNA, and proteins from a wide variety of biological samples. Utilizing high-speed oscillation technology, the system completes cell lysis within 40 seconds while minimizing heat generation to protect molecular integrity. Its intuitive LED touch screen interface and 24-sample capacity ensure high throughput and ease of use in professional laboratory environments.

## Technical Specifications

Sample Capacity	24 samples
Standard Processing Time	40 seconds

## Applications

### Target Molecules

DNA • RNA • Protein

### Supported Sample Types

Soil, Plant Tissue, Animal Tissue, Bacteria, Yeast, Fungi, Spores, Paleontological Specimens, Fecal Matter

## Operational Features

### Key Functional Features

- LED touch screen interface
- Cross-contamination prevention via disposable consumables
- Low noise operation
- Minimized sample degradation due to low heat generation
- Rapid, consistent homogenization