



Solubilize. Thaw. Mix. Suspend.



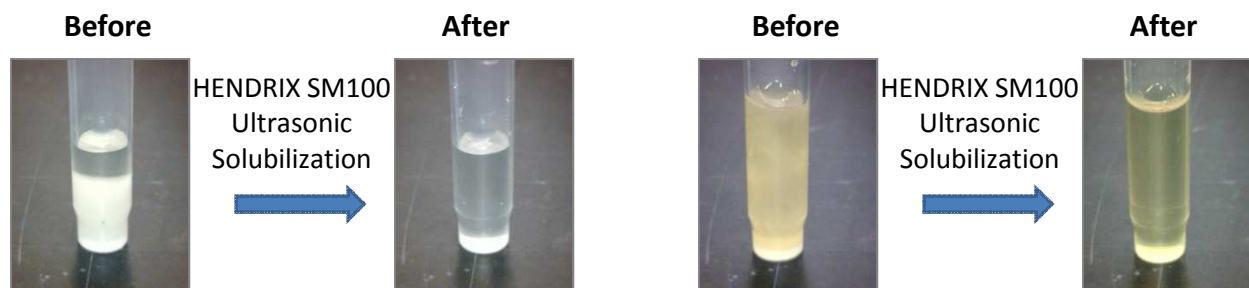
The **HENDRIX SM100 Ultrasonic Fluid Processor** is a novel acoustic device that:

- solubilizes compounds
- isothermally thaws and mixes liquids
- suspends cells, beads and magnetic particles in solution

A multi-purpose fluid processor all in one compact system.

Applications

- **Compound Solubilization**
Solubilize compounds in DMSO or re-solubilize precipitated compounds from liquid stores for compound management, high-throughput screening or secondary screening; supports up to 100 mM compounds in glass vials and microplates in 96-, 384- and 1536-well formats.
- **Thawing**
Thaws frozen samples on demand. Takes less than 5 minutes to thaw 96 sample tubes or one microplate. Simultaneous thawing/solubilization offers additional throughput enhancement.
- **Mixing**
Mixes assays 7 times more efficiently than orbital shakers and 12 times faster than diffusion*; produces homogenous assays that increase data accuracy.
- **Beads/Particles Suspension**
Keeps beads or magnetic particles in suspension for genomic applications such as DNA purification; open-deck design allows concurrent pipetting activity.





HENDRIX SM 100 Product Specifications

- Physical Dimensions (width x depth x height)
Fluid Processor Unit = 8.25" x 9.75" x 6.0" (21.0 cm x 24.8 cm x 15.2 cm) ;
Base Control Unit = 9.5" x 20.5" x 19.0" (24.1 cm x 52.1 cm x 48.3 cm)
- Weight
Fluid Process Unit = 12.5 lbs (5.7 Kg);
Base Control Unit = 57.0 lbs (25.9 Kg)
- Operating Space Requirements
Width x Depth x Height
Fluid Processor Unit = 10" x 17" x 10" (25 cm x 43 cm x 25 cm);
Base Control Unit = 12" x 26" x 24" (31 cm x 66 cm x 61 cm)
- Power Requirements
100–120 V AC 50/60 Hz 15 A 250 V AC, 15 A, or
200–240 V AC 50/60 Hz 10 A 250 V AC, 10 A
- Vacuum Requirements
Free air flow rate: 2.95 CFM, or 5 m³/hour, or 83.4 L/min.
Minimum airflow at vacuum: 23 inch-Hg (gauge/below atmosphere) @ 1.5 CFM, or
176 torr or 234 mbar @ 42.48 liters per minute, or
23.43 Kpascal @ 2.55 cubic meters per hour.
- Operating Environment
15°C – 35°C; 10 – 80% relative humidity, non-condensing
- Connections
RS-232 serial port, I/O port, RF-AMP connection and AC power connection cables are provided with the system. All standard connections are 6 feet in length; custom cables can be ordered up to 25 feet for use with integrated systems.
- Labware Compatibility
Compatible with (but not limited to) the following labware –
 - 96 -, 384- or 1536-well, flat, v- or round-bottom plates from -
 - Aurora (Nexus Biosystems)
 - Corning
 - Greiner Bio-One
 - Seahorse
 - Scintillation glass vials
 - Thermo Fisher Matrix 2D bar-coded tubes
 - Labcyte Echo and EDC ATS-100 compatible labware