

ME220 Focused-ultrasonicator™

...1 to 8 sample batch processing at the benchtop

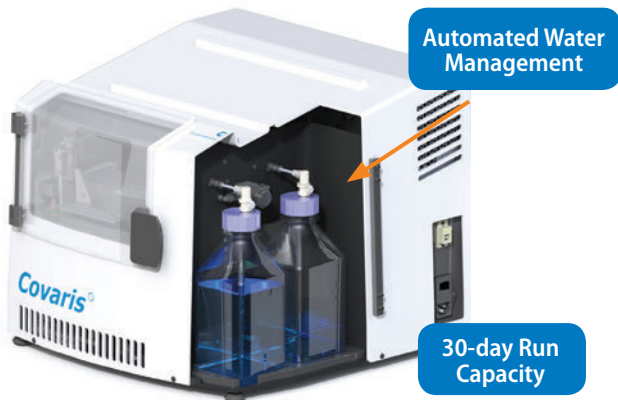
- The “Scientist’s Standard” in a compact, easy-to-use system, formatted for batch-processing
- Precise and accurate results with AFA-energetics
- Integrated chiller and automated water management
- Powerful SonoLab software with preloaded protocols
- Less than 2 minute start-up time

The automated water management system provides a 30-day run capacity, making it virtually maintenance-free.

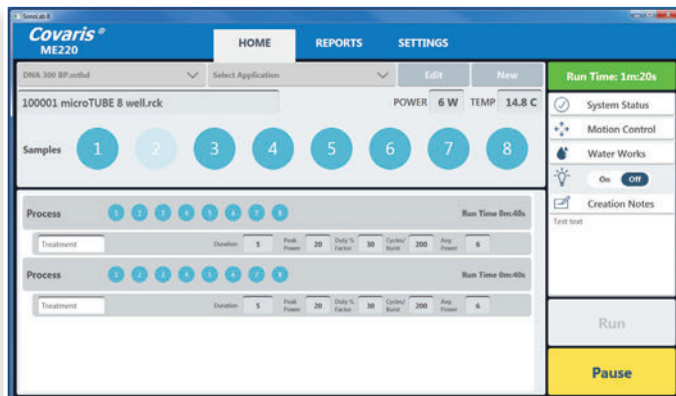
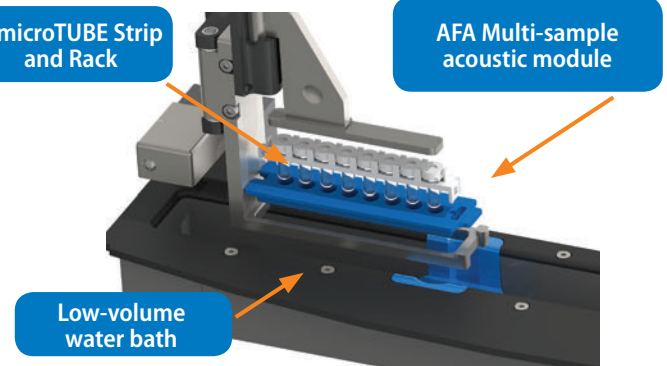
The ME220 Focused-ultrasonicator is the multi-sample, multi-application benchtop sample preparation solution for every lab.



Single Box Design



Focused-ultrasonicator Assembly



- Real-time monitoring and integrated Quality Control with SonoLab software
- Integrated engineered design
- Custom Class D, high-efficiency electronics
- Calibrated to NIST traceable standards

| Key Features | Benefits |
|--|---|
| Isothermal process | No heat-induced bias, high sample recovery |
| Small, compact footprint | Fits on any benchtop |
| Non-contact, closed vessel | No cross-contamination, aerosols, or clean-up |
| Flexible sample processing volume | 15 µl to 1 ml |
| Highly reproducible results | Minimal post-process QC required |
| Automatable | Sample vessels compatible with liquid handling robots |
| Sample tracking with 2D barcoded consumables | Traceable sample identification |
| Operates at 500 kHz (Ultrasonic Range) | Beyond audible range. - no discomfort to operators |
| Calibrated to NIST traceable standards | Optimized protocols available and transferable |

| Model | M220 | ME220 |
|-----------------------------------|--|---|
| Description | Focused-ultrasonicator - single-sample process Included: dedicated notebook computer, SonoLab™ software, and integrated chiller | Focused-ultrasonicator – 1 to 8 sample batch process Included: dedicated notebook computer, SonoLab software, integrated chiller, and automated water bath control |
| Part Number | PN 500295 | PN 500506 |
| Treatment Power | 2.5 to 75 Watts Peak Incident Power 0.1 to 20 Watts Average Incident Power | |
| Dimensions | 12"W x 17"D x 10"H (30 cm x 43 cm x 25 cm) | 17"W x 14"D x 19"H (43 cm x 35 cm x 48 cm) |
| Weight | Approximately 22 lbs. (10 Kg) | Approximately 40 lbs (19.1kg) |
| Power Requirements | 100-240 VAC 500 VA, 50-60Hz | |
| Operating Environment | 15 to 32° C | |
| Regulatory Labeling | CE, ETL Mark (for Product Safety), WEEE | |
| Safety | Complies with Low Voltage Directive 2006/95/EC. Certified to IEC/EN/ANSI/UL 61010-1:2010 and CAN/CSA C22.2 No. 61010-1, "Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use, Part 1: General Requirements" | |
| Water Bath | Requires 15 ml of AFA-grade Water | Automated waterbath management, AFA-grade Water |
| Bath Temperature Set Point | Programmable +6.0° C to +40.0° C | |
| EMC | Complies with Class A Industrial/Scientific/Medical (ISM) equipment under EN 61326-1 for EU EMC Directive 2014/30/EU. Also FCC Part 15 Class A radio emissions requirements for the USA and ICES-003 Class A for Industry Canada. | |
| Operating System | Includes: Notebook computer interface via USB with Microsoft Windows and Covaris SonoLab™ Operating Software installed. | |
| Data Input | Keyboard, Touchpad | |
| Chiller | Integrated solid state chiller for heating and cooling (built-in) 0 - 48 Watts | |