

Misonix Sonicator® 3000 Ultrasonic Cell Disruptors

Process any sample size from 100 µL to 40 L

- Microprocessor control optimizes the sonication process
- Wide variety of applications—disrupt cells, shear DNA, mix compounds, extract samples, and reduce particle size
- Auto-tuning, programmable, temperature monitoring, and RS-232 capable

The Sonicator 3000 cell disruptor integrates powerful ultrasonic processing capabilities with complete microprocessor control to optimize the sonication process. The 600 watts of energy deliver the precise amplitude necessary to effectively process your sample. Adjustable "pulse on" and "pulse off" times can be programmed providing greater control and ease of use for the operator. Navigation through the programming features is simple and the display shows all pertinent information on a single readout. Auto-tuning feature uses advanced electronics to automatically sense and set the exact frequency for optimal reproducible performance. Control amplitude from absolute zero, allowing direct sonication of very small samples. The Sonicator minimizes potential downtime and instrument damage by shutting down the unit before overload conditions may occur. Order probes, cup horns, and continuous flow cell separately below.

What's included: converter, 1/2" horn probe, converter cable, wrench set, and 6-ft power cable.

Specifications & Ordering Information



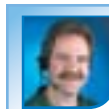
Sample volume: 100 ml to 40 L **Dimensions:** 8½"W x 10½"H x 19"D
Adjustable pulse on/off time: 0.5 seconds to 1 hour **Programmable timer:** 1 second to 100 hours
Operating frequency: 20 kHz

Catalog number	Power		Price
	VAC	Hz	
Sonicator 3000			
K-04711-79	120	50/60	
K-04711-80	220		
Sonicator 3000 with temperature control			
K-04711-81	120	50/60	
K-04711-82	220		

New



04711-79



Call us now to place your order!

800-323-4340

Accessories for Sonicator® 3000 Ultrasonic Cell Disruptor

Replacement Probes with Threaded Tips

Probe selection is determined by sample volume, sample type, and the desired intensity. As tip diameter increases, the intensity/amplitude decreases. Tips erode over time and replacement tips are available below.

04711-83

Catalog number	Tip dia	Sample volume	Price	Replacement Tips*	
				Cat. no.	Price
K-04711-83	1/2"	10 to 250 mL		K-04711-86	
K-04711-84	3/4"	25 to 500 mL		K-04711-87	
K-04711-85	1"	50 to 1000 mL		K-04711-88	

*Use with threaded probes only.

Microtip Probes

Probes effectively process small samples and attach to the standard 1/2"-dia probe horn. The stepped microtip probe (04711-93) attaches directly to the converter and is ideal for reaching into long, thin tubes.

Catalog number	Tip dia	Sample volume	Price
K-04711-89	1/16"	0.2 to 5 mL	
K-04711-90	1/8"	0.5 to 15 mL	
K-04711-91	3/16"	2 to 25 mL	
K-04711-92	1/4"	5 to 50 mL	
K-04711-93†	1/8"	0.5 to 15 mL	

†Stepped probe attaches directly to the converter.

K-04711-94 Replacement tip for 04711-93

Continuous Flow Cell

In-line flow cell is capable of processing a continuous flow of your sample up to 40 L/hr. Constructed of stainless steel. Inlet/outlet is 1/4" NPT. Compatible with 1/2"-dia probe horn.

Cat. no.	Description	Price
K-04711-98	Continuous flow cell	

Sonabox™ Sound Enclosure

The sound enclosure reduces sound produced by sonication to safe and comfortable levels. A clear acrylic door allows viewing of samples, a removable support rod is also included. Exterior dimensions: 12"L x 14½"W x 23"H. Interior dimensions: 11"L x 13"W x 22"H.



04711-99

Cat. no.	Description	Price
K-04711-99	Sound enclosure	

Cup Horns

Cup horns are high-intensity ultrasonic water baths that allow samples to be processed in sealed vials or tubes—ideal for sterile or pathogenic sample processing. Cold water can be circulated through the system to keep your samples from overheating. A microtube holder is included. Stand sold separately below.



04711-95

Cat. no.	Processing volume	Price
K-04711-95	8 microtubes	
K-04711-96	20 microtubes	

K-04711-97 Cup horn stand