



# CUP HORN ASSEMBLY

The cup horn can process multiple sealed tubes or vessels at one time without contact with an ultrasonic probe. This method eliminates cross contamination, sample foaming, overheating and aerosolization which can all occur when using a probe. Most importantly the cup horn enables samples under 200µl to be effectively processed.

**VCX500 WITH  
CUP HORN, CHILLER,  
ENCLOSURE PACKAGE**

**PART NO.  
VCX500CCE**



**CUP HORN  
ACCESSORY**

**PART NO.  
630-0731**



The cup horn is attached to the converter in place of a probe, and filled with water. Microtubes containing samples are placed inside using specially designed tube holders. Ultrasonic energy is transferred through the water and into the sample tubes. Multiple tube holders are available for various size tubes and vessels. Both types of 1.5mL tube holders shown below are included.

Inlet and outlet ports enable cold water to be circulated within the cup, inhibiting heat build up during extended operation. Use of the chiller is highly recommended and due to the high noise level created by the cup horn, a sound abating enclosure is required.

Note: Selecting the appropriate size and type of sample tube will greatly improve results. Contact Sonics for application assistance.

**HOLDER FOR (8) 1.5ML  
POLYSTYRENE TUBES**



**PART NO.  
830-00247**

**HOLDER FOR (8) 1.5ML  
POLYPROPYLENE TUBES**



**PART NO.  
830-00248**

**HOLDER FOR  
15ML TUBE**



**PART NO.  
529-0029**

**HOLDER FOR  
50ML TUBE**



**PART NO.  
529-0030**