

### 4 Tip Horns

The 4 Tip Horn enables 4 samples to be processed simultaneously. This horn is effective for cell disruption, mixing, homogenization and many other applications. This horn is available with either 1/8" or 1/4" tip diameters.

#4659 is a 4 Tip Horn with 1/8" tips. It is recommended for 1-15ml volumes and fits into both 1.5ml and 15ml tubes. The space between each tip is 1.05". The #504 and #510 CoolRacks are compatible with #4659.

#4674 is a 4 Tip Horn with 1/4" tips. It is recommended for 10-50ml volumes and is used with 15 and 50ml tubes. The space between each tip is 1.6". The #511 CoolRack is compatible with the #4674.



The #4130 Stand with Lab Jack is recommended for use with all high throughput horns. This stand holds the horn stable and level to ensure consistent results.

### 24 Tip Horn

The 24 Tip Horn processes each well of a 24 well plate at the same time. This horn is effective for cell disruption, mixing, dissolution and many other applications. The distance between each tip is .708".



### Dual Horn

The Dual Horn allows a single Sonicator to process two samples simultaneously. The rectangular-shaped horn doubles the unit's output and enables two probes to vibrate with the same intensity as a single probe. Two 3/4" solid tip probes are included with the Dual Horn. The distance from center to center of each probe is 4.5". Replacement probes must be ordered in a matched set of 2 probes (#4208M).



#4525