

## Product Information Sheet

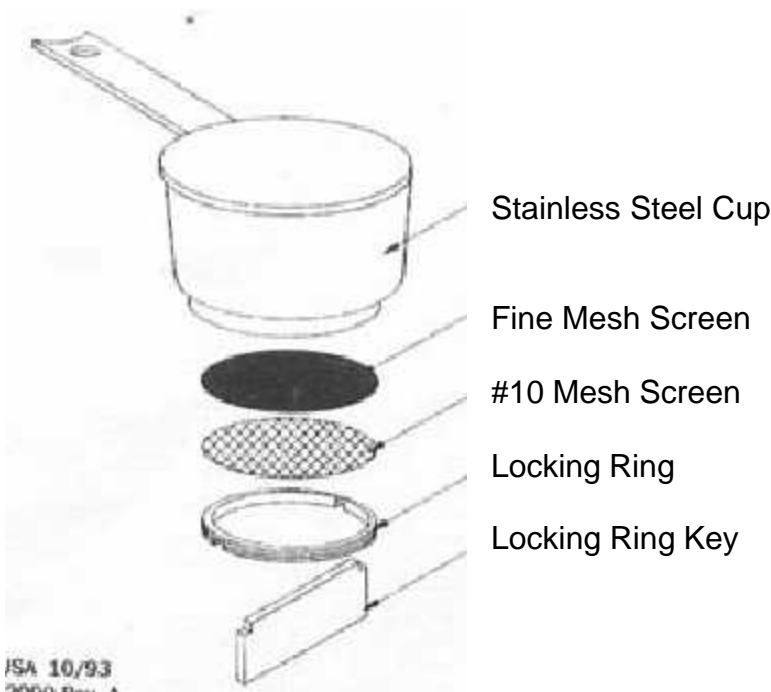
### H420 Homogenizer

The Homogenizer has been designed to obtain whole cells or cell clumps from larger cell masses, tissues, or organs using a process similar to using a mortar and pestle in obtaining powder from a solid.

#### Suggested Protocol:

1. Choose the appropriate size screen and install it in the pan as shown below.
2. Place the #10 mesh screen over the finer mesh screen (chosen in step 1). Screw in the locking ring using the locking ring key. The #10 will act as a support for the finer mesh screen.
3. Place the tissue sample in the pan and use the pestle to slowly grind the sample through the two screens. For best results vary the angle & direction of the pestle with each pass over the tissue.

**Caution: Do not use excessive force as the pestle could break.**



#### Screen Conversions Mesh to Opening Size

#10	=	1910 $\mu\text{m}$
#20	=	860 $\mu\text{m}$
#30	=	520 $\mu\text{m}$
#40	=	380 $\mu\text{m}$
#50	=	280 $\mu\text{m}$
#60	=	230 $\mu\text{m}$
#80	=	190 $\mu\text{m}$
#100	=	140 $\mu\text{m}$
#150	=	94 $\mu\text{m}$

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