

# SURGISTAR VACUUM TREPHINE INSTRUCTIONS FOR USE

## **Intended Use:**

The Surgistar Vacuum Trephine is a disposable system designed for use in Corneal Transplant Surgery.

## **Product Details and Cautions:**

The unit is supplied sterile and ready to use for single use only. Do not resterilize or reuse.

Carefully inspect the packaging. Do not use if the package has been opened or damaged.

After opening the package, please exercise caution at all times when handling and using the trephine.

The trephine blade is exceptionally sharp. Avoid contact between the blade edge and any surfaces prior to use, to avoid injury or damage.

Surgistar, Inc. assumes no liability for devices that have been altered, dismantled, reassembled, resterilized and/or reused.

## **Using the System (see Figure 1):**

Under the microscope, align the trephine cutting edge with that of the inner tube by rotating the ring. For future alignment reference, take note of the position of the ARROW TIPPED marker pin on the ring.

From this position, make two complete counterclockwise rotations,

recessing the trephine deeper into the inner tube, thus providing a more effective vacuum (*see Figure 2*).

Looking through the lumen and centering on the crosshairs, carefully position and press the unit down on the Cornea.

Fully depress the suction syringe plunger and hold.

Release and wait about 10 seconds for adequate suction to develop.

Test suction by gently lifting the unit. Then permit the cornea to return to its normal shape before the next step.

Advance the trephine blade forward by rotating the ring clockwise two full turns. This once again aligns the trephine edge with the edge of the inner tube.

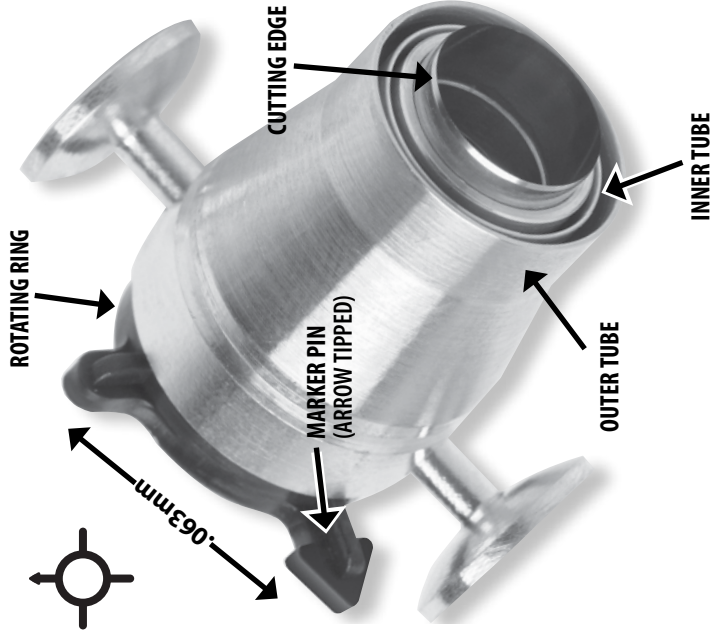
Cutting is now achieved via clockwise rotation of the ring. Each quarter-turn rotation advances the cutting surface downward by .063mm (for a total of .25mm per one complete rotation) (*see Figure 3*).

Rotate slowly and carefully, using the pins for greater control. Discontinue cutting at the first sign of aqueous.

To release suction, either depress the plunger or cut the tubing.

**FIGURE 1**

**Note:** ARROW TIPPED pin can be used as orientation indicator.



(Picture shows cutting edge advanced forward)

**FIGURE 2**



**FIGURE 3**

