

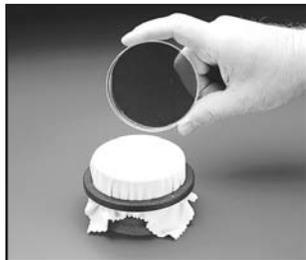
# I N S T R U C T I O N S



## Replica-Plating Tool

Catalog No. 37848-0000

Before using the Replica-Plating Tool, disinfect it with a brief rinse of 70% ethanol or 0.025% bleach (1 part bleach to 200 parts water). Cotton velveteen squares 6" x 6" (152mm) should be prepared by stacking in an autoclave on kraft paper or loose aluminum foil. The autoclave drying cycle is useful in removing condensed moisture.



Mark a spot as a circumference reference point on the locking ring (correction fluid provides a convenient, quick-drying mark) for the master plate and all subsequent replica plates. This allows for alignment of colonies. Place the PVC round block on a laboratory bench, large end down. A single velveteen square is centered and placed face-up on the flat top surface of the block.

The locking ring, (held horizontally on its outer surface), is carefully pushed down over the velveteen square. The cloth should be slightly stretched by the downward pressure exerted in initially securing the cloth.

To make the colony replicas, the Petri dish, called the master plate, carrying microbial colonies is inverted and lowered onto the cloth surface. Very gentle, evenly distributed finger pressure is applied to the back side of the master plate. Before lifting the master plate from the block, mark one spot on the circumference of the master plate Petri dish to correspond with the mark on the locking ring to create a reference point. Now carefully lift the master plate. The velveteen and locking ring remain undisturbed for replicating.

Subsequently, a fresh sterile nutrient plate is inverted and lowered onto the velveteen. Again, very gentle, even pressure is applied to the dish. This process may be repeated depending upon the density of the colonies and the agar used.

**Use Sterile Velveteen Squares Catalog No. 37848-0001**

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