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EasyTransfer™ Replica-Plating Device

For efficient and uniform colony transfer for colony hybridization

Specifications:

Material: PVC Plastic

Dimensions: 80mm diameter x 67mm tall

Velveteen squares: 152mm x 152mm

For use with 90-100mm petri dishes.

Protocol for Use:

- 1) Autoclave appropriate number of velveteen squares, one square per master plate, for use later the same day. Autoclave on dry cycle to remove condensed moisture.
 - 2) Rinse the apparatus with 70% ethanol or 0.025% bleach.
 - 3) Mark a reference point on the locking ring (correction fluid works well).
 - 4) Place the round block on a lab bench, large end down. Center a single velveteen square on the flat top surface with the velvet, or "fuzzy" side, up.
 - 5) Carefully push the locking ring down over the velveteen square, making sure not to touch any part of the horizontal surface. The downward pressure exerted on the ring stretches the cloth.
 - 6) Place the master plate, that which has the colonies, on the cloth surface. Apply even, gentle pressure to the back of the plate perpendicular the bench. Do not rotate or rub the plate. Mark the outside of the plate where the reference point is on the locking ring. Carefully lift the master plate.
 - 7) Lay a nitrocellulose or nylon membrane filter on a fresh, sterile LB plate (with tetracycline if using PCR-TRAP® Cloning System) so that the filter is flat and completely moist from the agar.
 - 8) Invert and lower this plate onto the Replica-Plating device. Once again apply even, gentle pressure. Mark the outside of the plate where the reference point is.
- (This process may be repeated depending how many replicate plates are being made and depending on density of colonies and agar used.)
- 9) Let the plates grow upside-down in an incubator.
 - 10) Use the membrane filters for hybridization according to the ReversePrime™ Kit protocol.