



**CARE AND USE OF  
AUTOCLAVEABLE DROP DISPENSER  
FOR TUMBLE STIR ELEMENTS**

1. Cover the autoclavable Drop Dispenser with aluminum foil. Sterilize Dispenser and Tumble Stir Elements (Discs, Bars or Dowels) by autoclaving or heating in a hot air oven at 150°C for 1 hour.
2. Move the slider all the way to the left. Carefully pour about five times the needed number of Tumble Stir Elements into the Drop Dispenser. Gently swirl while holding the Dispenser level to fill the holes with Stir Elements.
3. When all of the holes are full, move the slider all the way to the right so the excess Tumble Stir Elements are pushed into the holding hopper.
4. Visually ensure that there is one Tumble Stir Element per hole.
5. Place the Dispenser on a sterile microplate or rack of tubes and dispense the Tumble Stir Elements by pushing the top plate of the Dispenser to align its holes with the holes in the bottom plate.
6. Move the slider all the way to the left and gently swirl the Tumble Stir Elements and repeat steps #3-5 on a new microplate or rack of tubes.
7. To recover Tumble Stir Elements from microplates or tubes, use a V&P Scientific Magnetic Replicator with VP 770 or VP 772 Stir Element Removal Systems if sample is to be left behind. If the sample has been removed simply invert the plate and catch the Tumble Stir Elements in a beaker.
8. Cover the beaker with aluminum foil and demagnetize the Tumble Stir Elements by passing them over the VP 781 Demagnetizer or other commercial demagnetizer.
9. Clean the Tumble Stir Elements using detergents appropriate to the application. Sterilize and dry the Tumble Stir Elements by autoclaving or baking in a hot air oven.