



## **CARE AND USE OF TUMBLE STIR DISCS AND FLIP DISC DISPENSERS**

1. Place the Tumble Stir Discs in a small beaker and cover with aluminum foil. Sterilize the Tumble Stir Discs by autoclaving or heating in a hot air oven at 150°C for 1 hour.
2. Autoclave or heat the Flip Disc Dispenser in a hot air oven for 1 hour at 150°C.
3. Carefully pour about twice the needed number of Tumble Stir Discs into the appropriate Tumble Stir Disc Flip Dispenser and gently swirl the Tumble Stir Discs while holding the Dispenser level to fill the empty stirrer slots.
4. When all of the slots are full, tilt the Dispenser with the Dispenser ramp over a sterile beaker and swirl the Dispenser so most of the excess Tumble Stir Discs slide down the ramp into the beaker.
5. Draw the plastic scraper over the Dispenser slot surface to ensure that there is only 1 Tumble Stir Disc per slot. The scraper can also be used to fill slots where the Tumble Stir Discs were accidentally dislodged.
6. Place an inverted sterile microplate over the dispenser, align the wells of the plate to the slots and flip both the microplate and the dispenser over so that the discs fall into the microplate wells.
7. Magnetize the Tumble Stir Discs in the microplate by placing the microplate on the Magnetic Tumble Stirrer™. Recommended stir speed is between 5 and 60 flips per minute (setting of 16 to 60 on the controller dial). **Do not use the speed controller to stop the stirrer, use the "on/off" switch.**
8. To recover the Tumble Stir Discs from microplates simply place a microplate lid on the magnetic block, pass the magnetic block slowly over the top of the microplate to pull the Tumble Stir Discs out of the wells. Position the magnetic block over a beaker and remove the microplate lid from the magnetic block so that the Tumble Stir Discs fall into the beaker.
9. Cover the beaker with aluminum foil and demagnetize the Tumble Stir Discs by passing them over the VP 781 Demagnetizer or other commercial demagnetizer.
10. Clean the Tumble Stir Discs using detergents appropriate to your application. Sterilize and dry the Tumble Stir Discs by autoclaving or baking in a hot air oven.