



CARE AND USE OF FLIP/DROP DISC DISPENSERS

1. Place Tumble Stir Discs in a small beaker and cover with aluminum foil. Sterilize Tumble Stir Discs by autoclaving or heating in a hot air oven at 150°C for 1 hour.
2. Autoclave or heat Flip/Drop Dispenser and the plastic scraper in a hot air oven for 1 hour at 150°C.
3. Remove (slide out) the top plenum from the Flip/Drop Dispenser.
4. Carefully pour about four times the needed number of Tumble Stir Discs into the appropriate Tumble Stir Disc Flip/Drop Dispenser and gently swirl the Tumble Stir Discs while holding the Dispenser level to fill the empty stirrer depression.
5. When all the depressions 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.
6. Draw the plastic scraper over the Dispenser depressions to ensure that there is only 1 Tumble Stir Disc per depression.
7. Replace top plenum, slide it in the groove all the way to the end plate and flip the Dispenser over.
8. Place a sterile microplate under the dispenser, slide the top plenum back to the detent and the stir discs will drop down into the wells. If you use deep well plates, you will need to hold your thumb against the end of the deep well plate to keep it from moving with the top plenum.
9. Magnetize the Tumble Stir Discs in the microplate by placing it 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.**
10. To recover Tumble Stir Discs from microplates simply place a microplate lid on the magnet block, pass magnet block slowly over a beaker and remove the microplate lid from the magnet block so the Tumble Stir Discs fall into the beaker.
11. Cover the beaker with aluminum foil and demagnetize the Tumble Stir Discs by passing over the VP 781 Demagnetizer.
12. 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.