



CARE AND USE OF FLIP/DROP LEVITATION BALL DISPENSERS

1. Place Levitation Stir Balls in a small beaker and cover with aluminum foil. Sterilize Levitation Stir Balls by autoclaving or heating in a hot air oven at 150°C for 1 hour.
2. Autoclave or heat Flip/Drop Ball 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 Levitation Stir Balls into the appropriate Levitation Stir Ball Flip/Drop Dispenser and gently swirl the Levitation Stir Balls while holding the Dispenser level to fill the empty stirrer holes.
5. When all the holes are full, tilt the Dispenser with the Dispenser ramp over a sterile beaker and swirl the dispenser so most of the excess Levitation Stir Balls slide down the ramp into the beaker.
6. Ensure that there is only 1 Levitation Stir Ball per hole. Note holes where the Levitation Stir Balls were accidentally dislodged.
7. Replace the 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 balls 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 Levitation Stir Balls in the microplate by placing it on the Magnetic Levitation Stirrer™. Adjust the speed potentiometer to obtain the desired speed. **Do not use the speed controller to stop the stirrer, use the on/off switch.**
10. To recover Levitation Stir Balls from microplates simply place a microplate lid on the magnet block, pass magnet block slowly over the top of microplate to pull the Levitation Stir Balls out of the wells. Position the magnet block over a beaker and remove the microplate lid from the magnet block so the Levitation Stir Balls fall into the beaker.
11. Cover the beaker with aluminum foil and demagnetize the Levitation Stir Balls by passing over the VP 781 demagnetizer.
12. Clean the Levitation Stir Balls using detergents appropriate to your application. Sterilize and dry the Levitation Stir Balls by autoclaving or baking in a hot air oven.