

An analytical balance measures masses to within 0.0001g. Use these balances when you need this high degree of precision.

Using an Analytical Balance



Turn the balance on by pressing the control bar. The display lights up for several seconds, then resets to 0.0000.



Place creased, small weighing paper on the balance pan.



Close the sliding glass doors. Wait for the green dot on the left to go out. This is the stability indicator light, indicating that the weight is stable.



Press the control bar to cancel out the weight of the container or paper. The display will again read 0.0000.



Carefully add the substance to be weighed up to the desired mass. Do not attempt to reach a particular mass *exactly*.



Before recording the mass, close the glass doors and wait until the stability detector lamp goes out. Record mass of solid.

Don't pick up tare containers with bare hands since your fingerprints add mass. Use Kimwipes or tongs to prevent this.

Don't lean on the bench while weighing.

Do record the mass of your container, if you will need it later.

Do check the level indicator bubble before weighing. The two rear balance feet serve as leveling screws.

Clean-up



Use the brush provided to clean spills in the weighing chamber. Discard any disposable tare containers, weighing paper, or Kimwipes in the nearest wastebasket.