



MEDISCA[®]
YOUR TRUSTED PARTNER IN COMPOUNDING

PRODUCT NO.: 8242



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DENSIMETER

DESCRIPTION: In order to accurately measure the tap densities of compounded powders, MEDISCA introduces its new Densimeter – the first of its kind in North America. With its pre-established 1 mL cavity, simplistic design and light-weight, it renders capsule calculations effortless.

TECHNICAL SPECIFICATIONS:

Cavity volume (mL)	1
Material of construction	Clear acrylic with embedded magnet
Maximum temperature exposure (°C / °F)	60 / 140

ADDITIONAL INFORMATION:

To use Medisca's Densimeter, follow the instructions below:

- ☑ Tare the empty Densimeter and an over-turned weigh-boat on a balance**
- ☑ Rotate the top disc of the Densimeter so that the hole in the top is aligned with the hole in the middle disc
- ☑ Fill the cavity with the powder to be weighed
- ☑ Gently tap the Densimeter base on a flat surface to ensure the cavity is completely filled – about 10 to 15 taps
- ☑ Remove the excess powder in the top disc's cavity by rotating the top disc about 90° clock-wise
- ☑ Weigh the filled Densimeter by placing the Densimeter on the over-turned weigh-boat
- ☑ Calculate the tap density using the following formula:

$$\text{Tap density (g/mL)} = \frac{\text{Measured weight of filled Densimeter (g)}}{\text{Volume of Densimeter cavity (1 mL)}}$$

- ☑ Discard the powder by aligning the cavities in the top and middle discs
- ☑ All three parts are held together by a magnet, making it easy to pull apart when washing
- ☑ Use water and detergent for cleaning and avoid prolonged contact with IPA

**This is to prevent the magnetic field of the balance from interfering with the measurements of the filled Densimeter.