

The **DENSIMETER**

Technical Sheet

As a companion to the **CAPSUBLEND™** Excipients product line, MEDISCA introduces its new DENSIMETER - the first of its kind in North America! With its pre-established 1mL cavity, this simplistic and light weight device allows for accurate tap density measurements of any powdered compound; rendering capsule calculations effortless.



PACK STATS...

Why pre-established values are not always right

VARIABILITY OF TAP DENSITY

Tap density values differ from manufacturer to manufacturer, as well as lot to lot

DIFFERING CALCULATION METHODS DO NOT LEAD TO REPRODUCIBILITY

A manufacturer's method of determining tap density may differ from that of a pharmacy technician. Consequently, discrepancies may be seen when comparing tap density results for the same product lot

MAY RESULT IN AN INCORRECT DOSAGE

Differing calculation measurement methods may cause a pharmacist to either over dose or under dose a patient

DENSIMETER'S REPRODUCIBILITY

The pre-set cavity volume of 1mL ensures reproducibility of tap density results

SPECIAL OFFER*

Call today and receive 1 **FREE** Densimeter with any 100g **CAPSUBLEND™** sample

**One blend type sample per customer.*

INSTRUCTION DETAILS

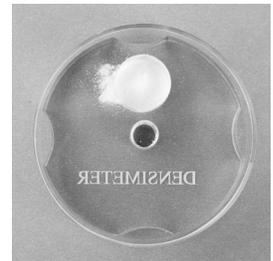
1. Tare the empty Densimeter

Ex: 49.9519g



2. Rotate the top plate so that its cavity is aligned with that of the middle disc

3. Fill the cavity with the powder you wish to weigh

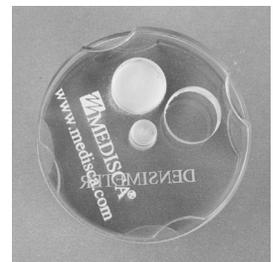


4. Gently tap the Densimeter base on the bench top to allow for powder compression (suggested between 10-15 taps)

5. Rotate the top plate to remove any excess powder

6. Weigh the filled Densimeter

Ex: 50.4430g



7. Calculate your tap density

$$d = \frac{w}{v}$$

$$w = 50.4430g - 49.9519g = 0.4911g$$

$$d = \frac{0.4911g}{1mL} = 0.4911g/mL \text{ (tap density)}$$



8. To clean, simply align the 2 cavities and discard the powder

9. To wash, pull apart all of the components

The magnet detaches allowing separation of the three parts

10. Use water and detergent for cleaning

Avoid prolonged contact with Alcohol 70%

Maximum temperature exposure is 60°C (140°F)



Find out more at www.medisca.com or call us at

 1.800.932.1039  1.800.665.6334

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