

# Suppository Mold, 3 ml

## Instructions for Use

Pharmacy Compounding Equipment

### Intended use

Reusable mold for casting suppositories of 3 ml cavity volume from melted suppository bases in compounding pharmacy, hospital pharmacy, veterinary compounding and teaching settings.

### Intended users

Trained pharmacists, pharmacy technicians and supervised pharmacy students. Follow your pharmacy's compounding procedures and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email [sales@scimedstore.com](mailto:sales@scimedstore.com).

## 1. Safety

### Safety warnings and cautions

- For use by trained pharmacy personnel. Follow your pharmacy's compounding procedures and applicable regulations.
- Melted bases are hot. Wear heat-resistant gloves and eye protection when pouring.
- Handle active ingredients according to their safety data sheets; use containment and personal protective equipment as required.
- Make sure the mold is clean and fully dry before use to avoid contamination and defects.
- Calibrate the mold with the base being used, as actual fill weight depends on the base and any active ingredient.
- Do not drop the mold or use metal tools inside the cavities; damage to the cavity surface affects release and dose volume.

## 2. Specifications

|                  |                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------|
| Cavity volume    | 3 ml                                                                                             |
| Material         | Brass with nickel plating                                                                        |
| Cavity finish    | Machined, polished                                                                               |
| Compatible bases | Cocoa butter, polyethylene glycol (PEG) bases, glycerinated gelatin, synthetic suppository bases |

## 3. Unpacking and setup

- 1 Inspect the mold halves and cavities for damage or residue.
- 2 Clean and dry the mold as described in the Cleaning section.
- 3 Assemble the mold halves and tighten the clamping screw(s) so the halves seat evenly with no gap.
- 4 Apply a suitable mold release (lubricant) if required by the base and your formulation procedure.
- 5 Bring the mold to the temperature required by your procedure (for some bases a slightly chilled or room-temperature mold is used).

## 4. Operation

### Casting suppositories

- 1 Prepare and melt the base and incorporate the active ingredient(s) according to your formulation.
- 2 Stir the melt to keep it uniform and let it cool to just above its congealing point, per your procedure.
- 3 Pour the melt steadily into each cavity, slightly overfilling to allow for contraction on cooling.
- 4 Allow the filled mold to set at the temperature and time specified by your procedure.
- 5 Trim excess base level with the top of the mold using a spatula.
- 6 Loosen the clamp, open the mold halves and remove the suppositories.
- 7 Package and label the suppositories according to your pharmacy's procedures.

### Calibrating the mold

- 1 Fill all cavities with the blank base only.
- 2 Remove and weigh the suppositories to find the average weight per cavity for that base.
- 3 Use this value, together with displacement factors for the active ingredient, when calculating the formulation.

## 5. Cleaning and disinfection

- Clean immediately after use while residue is still soft.
- Disassemble the mold and wash all parts in warm water with a mild detergent, using a soft brush in the cavities.
- Rinse thoroughly and dry completely with a lint-free cloth to protect the plating.
- Do not use abrasive cleaners, scouring pads or metal tools on the cavities.
- Clean and disinfect per facility protocol; do not autoclave unless labeled as autoclavable.

## 6. Maintenance and storage

- Store assembled, clean and dry, in a covered container away from dust and moisture.
- Inspect cavities and plating regularly; replace the mold if plating is worn or cavities are scratched or dented.
- Keep a record of calibration values for each base used.

## 7. Troubleshooting

| Problem                         | Likely cause                                                              | What to do                                                                             |
|---------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Suppositories stick in the mold | Base not fully set, no release agent where needed, or residue in cavities | Allow longer setting time, use a suitable release agent and clean cavities thoroughly. |
| Cracked suppositories           | Cooled too quickly or poured too hot                                      | Pour closer to the congealing point and cool according to your procedure.              |
| Hollow or pitted tips           | Air trapped or base contracted on cooling                                 | Pour steadily and overfill slightly before setting.                                    |
| Leakage between halves          | Clamp loose or halves misaligned                                          | Re-seat the halves and tighten the clamp evenly.                                       |
| Weights vary between cavities   | Uneven filling or poor trimming                                           | Fill each cavity evenly and trim flush; re-check calibration.                          |

## 8. Disposal

- Clean the mold to remove all drug residue before disposal.
- Recycle as scrap metal according to local regulations.
- Dispose of waste base and active ingredients according to your pharmacy's pharmaceutical waste procedures.

## 9. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: [scimedstore.com/pages/warranty](https://scimedstore.com/pages/warranty).

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