

Product formula(from the *British Pharmacopoeia* 1980, p 723)

	1 suppository	10 suppositories
Bismuth Subgallate BP	200 mg	2 g
Resorcinol BP	60 mg	600 mg
Zinc Oxide BP	120 mg	1.2 g
Castor Oil BP	60 mg	600 mg
Base	qs	qs

Calculations

Prepare for 10 suppositories to allow for losses during preparation.

Displacement values

Bismuth Subgallate BP	2.7
Resorcinol BP	1.5
Zinc Oxide BP	4.7
Castor Oil BP	1.0

Tips

Hard Fat BP is a suitable base to use. The quantity to be used must be calculated using displacement values. A nominal 1 g mould is used.

$$\begin{aligned}
 \text{Bismuth Subgallate BP displaces } 2 \div 2.7 \text{ g Hard Fat BP} &= 0.74 \text{ g} \\
 \text{Resorcinol BP displaces } 0.6 \div 1.5 \text{ g Hard Fat BP} &= 0.4 \text{ g} \\
 \text{Zinc Oxide BP displaces } 1.2 \div 4.7 \text{ g Hard Fat BP} &= 0.26 \text{ g} \\
 \text{Castor Oil BP displaces } 0.6 \div 1 \text{ g Hard Fat BP} &= 0.6 \text{ g} \\
 \text{The amount of base required} &= (10 \times 1 \text{ g}) - (0.74 + 0.4 + 0.26 + 0.6) \\
 &= 10 - 2.00 \\
 &= 8.00 \text{ g}
 \end{aligned}$$

Working formula

	10 suppositories
Bismuth Subgallate BP	2 g
Resorcinol BP	600 mg
Zinc Oxide BP	1.2 g
Castor Oil BP	600 mg
Hard Fat BP	8 g

4. Method of preparation

- a. Solubility where applicable
Not applicable.
- b. Vehicle/diluent
Hard Fat BP is being used as the base for this preparation.
- c. Preservative
There is no preservative included as per the product formula.
- d. Flavouring when appropriate
Suppositories are for rectal use and so no flavouring is required.