

1. Use of the product

Used to treat cervicitis and vaginitis (*Martindale* 26th edn, p 565).

2. Is it safe and suitable for the intended purpose?

The formula is the same as Ichthammol Pessaries BPC (*British Pharmaceutical Codex* 1968, p 1222).

3. Calculation of formula for preparation

Prepare 3×8 g Ichthammol BP Pessaries 5%.

	Master	100 g	10 g	50 g
Ichthammol BP	5 %	5 g	0.5 g	2.5 g
Glycero-gelatin Base BP	95 %	95 g	9.5 g	47.5 g

Tips

The Glycero-gelatin Base BP has a greater density, therefore the nominal weight required to fill the moulds will be greater than with the other two bases (Theobroma Oil BP and Hard Fat BP). To calculate correctly the quantities required, the amount that would be required to fill the nominal weight will need to be multiplied by a factor of 1.2.

Calculations

Three pessaries are required; however, an overage will be needed to prepare this quantity successfully. Calculations are therefore based on the amounts required to prepare five pessaries.

The mass of base that would be needed to prepare five pessaries is:

$$5 \times 8 \times 1.2 = 48 \text{ g}$$

For ease of calculation and weighing, sufficient quantities of ingredients to prepare 50 g of base are used.

	Master	100 g	50 g
Gelatin BP	14%	14 g	7 g
Glycerol BP	70%	70 g	35 g
Purified water	to 100%	16 g	8 g

Tips

The *British Pharmacopoeia* states that purified gelatin can be produced by two different methods.

1. partial acid hydrolysis (type A (anionic) gelatin)
2. partial alkaline hydrolysis (type B (cationic) gelatin).

Because the active ingredient to be incorporated in these pessaries is Ichthammol BP, type B should be used to avoid incompatibilities.

4. Method of preparation**a. Solubility where applicable**

Not applicable.

b. Vehicle/diluent

Purified water is used as per the product formula.

c. Preservative

There is no preservative included as per the product formula.

d. Flavouring when appropriate

Pessaries are for vaginal use and so no flavouring is required.