



Edition: BP 2025 (Ph. Eur. 11.6 update)

## Glycerol Suppositories

### [General Notices](#)

Glycerin Suppositories

### DEFINITION

|                |                       |
|----------------|-----------------------|
| Gelatin        | 14 g                  |
| Glycerol       | 70 g                  |
| Purified Water | A sufficient quantity |

In tropical and subtropical countries the quantity of Gelatin may be increased to an amount not exceeding 18 g.

### Extemporaneous preparation

The following directions apply.

Add the Gelatin to about 30 mL of Purified Water heated nearly to boiling, then add the Glycerol previously heated to 100° and heat the mixture on a water bath for 15 minutes or until solution is complete. Adjust the weight of the product to 100 g by the addition of hot Purified Water or by evaporation on a water bath and pour into suitable moulds.

*The suppositories comply with the requirements stated under Rectal Preparations and with the following requirements.*

### Content of glycerol, C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>

66.5 to 73.5% w/w.

### [Disintegration](#)

Maximum time, 1 hour, [Appendix XII A2](#).

### ASSAY

Dissolve a number of suppositories containing 8 g of Glycerol in 50 mL of [water](#) and add sufficient [water](#) to produce 250 mL. To 5 mL add 150 mL of [water](#) and 0.25 mL of [bromocresol purple solution](#) and neutralise with [0.1M sodium hydroxide VS](#) to the blue colour of the indicator. Add 1.6 g of [sodium periodate](#) and allow to stand for 15 minutes. Add 3 mL of *propan-1,2-diol*, shake, allow to stand for 5 minutes and titrate with [0.1M sodium hydroxide VS](#) to the same blue colour. Each mL of [0.1M sodium hydroxide VS](#) is equivalent to 9.210 mg of C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>.