

MENOTROPHIN

Description:

Menotrophin is a dry preparation containing glycoprotein gonadotrophins possessing follicle-stimulating and luteinising activities. It contains not less than 40 IU of follicle-stimulating hormone activity per mg. The ratio of IU of luteinising hormone (LH) activity to IU of follicle-stimulating hormone (FSH) activity is approximately 1. The preparation is exclusively or predominantly of pituitary origin and obtained from the urine of post-menopausal women but, where necessary, chorionic gonadotrophin obtained from the urine of pregnant women may be added to achieve the above ratio.

Application:

Therapeutically Menotrophins can be used in the following,

- Ovulation stimulation in females for either of the following
As part of assisted reproductive technology (ART) program.Oligoovulatory or anovulatory infertile individuals in whom the cause of infertility is functional and not due to primary ovarian failure.
- Spermatogenesis stimulation in males for primary or secondary hypogonadotropic hypogonadism not due to primary testicular failure.

MW: FSH ~ 30,000 Daltons

LH ~ 30,000 Daltons

Unit Definition:

The biological activity of Menotrophins is measured in animal models and the potency is declared in terms of the BP/USP Reference Standard.

Available form:

Lyophilized powder confirming to BP/USP specifications.

Solubility:

Freely soluble in water; soluble in aqueous glycerol and glycols. Insoluble in alcohol, acetone, ether.

Stability and Storage:

Stable for 3 years at 2-8°C in sealed tamper proof containers.

Reference:

1. Hum. Reprod., 15(Abstract Bk1), 70–71.
2. Fertil. Steril., 47, 597–602, (1987).
3. Fertil. Steril., 68, 292–297, (1997).