

Fertiedge HMG 75 Injection

Menotrophin (75 IU) Injection – Detailed Information

Composition and Ingredients

Each vial contains:

- **Menotrophin (75 IU):** A purified combination of follicle-stimulating hormone (FSH) and luteinizing hormone (LH), derived from human menopausal gonadotropins (hMG).

Indications and Uses

Menotrophin injection is used in the treatment of infertility in both men and women. It helps stimulate ovulation in females and enhances sperm production in males. It is commonly prescribed for:

- **Female Infertility:**
 - Ovulation induction in women with anovulation or irregular ovulation (including polycystic ovary syndrome – PCOS).
 - Used in assisted reproductive techniques like in vitro fertilization (IVF) to stimulate multiple follicle development.
- **Male Infertility:**
 - Stimulates spermatogenesis in men with hypogonadotropic hypogonadism (low gonadotropin levels).
- **Other Hormonal Imbalances:**
 - Used in specific cases where hormonal stimulation is required.

Mechanism of Action

Menotrophin contains both **FSH and LH**, which play key roles in reproductive health:

- **FSH (Follicle-Stimulating Hormone):** Stimulates follicle growth in females and sperm production in males.
- **LH (Luteinizing Hormone):** Triggers ovulation in females and enhances testosterone production in males, which supports sperm maturation.

Dosage and Administration

- Administered as an **intramuscular (IM) or subcutaneous (SC) injection** under medical supervision.
- The dosage is individualized based on the patient's hormonal levels and response to treatment.
- In women undergoing ovulation induction, treatment typically starts early in the menstrual cycle and continues until follicles reach the desired size.
- In men, therapy may be required for several months to stimulate sperm production.

Precautions and Warnings

- **Medical Supervision Required:** Should only be used under the guidance of a fertility specialist or endocrinologist.
- **Ovarian Hyperstimulation Syndrome (OHSS):** Risk of excessive ovarian stimulation, leading to swollen ovaries, abdominal pain, and fluid retention.
- **Multiple Pregnancies:** Increased chances of twins or higher-order pregnancies.
- **Hormonal Imbalance:** May cause fluctuations in estrogen and testosterone levels.
- **Not for Use in:**
 - Women with primary ovarian failure (where ovaries do not respond to gonadotropins).
 - Men with primary testicular failure.
 - Patients with hormone-dependent tumors.
 - Individuals with unexplained uterine bleeding.

Possible Side Effects

- Injection site reactions (pain, redness, swelling)
- Headache
- Abdominal bloating or discomfort
- Nausea
- Breast tenderness
- Mood swings
- In rare cases, allergic reactions or severe OHSS requiring immediate medical attention

Drug Interactions

- May be combined with **human chorionic gonadotropin (hCG)** to trigger ovulation.
- Can interact with other fertility drugs, requiring dose adjustments.

Storage Instructions

- Store in a cool, dry place away from direct light.
- Keep out of reach of children.
- Reconstitute only with the provided solvent and use immediately.

Conclusion

Menotrophin (75 IU) injection is a vital treatment for infertility, aiding in ovulation and sperm production. Due to its hormonal effects and potential risks, it should only be used under expert medical supervision with regular monitoring.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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