

## FSH Porcine

**Description:**FSH Porcine is a glycoprotein produced from pituitaries of porcine. The FSH is purified by proprietary chromatographic techniques.

Catalog #:HOPS-292

**Synonyms:**Follitropin, Follicle-stimulating hormone, FSH.

For research use only.

**Source:**Porcine pituitaries.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

The FSH was lyophilized with no additives.

### Stability:

Lyophilized porcine FSH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FSH-porcine should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Solubility:

It is recommended to reconstitute the lyophilized porcine FSH in sterile 18M-cm H<sub>2</sub>O not less than 100

### Introduction:

Follicle stimulating hormone (FSH) is a hormone synthesised and secreted by gonadotropes in the anterior pituitary gland. FSH and LH act synergistically in reproduction. In women, in the ovary FSH stimulates the growth of immature Graafian follicles to maturation. As the follicle grows it releases inhibin, which shuts off the FSH production. In men, FSH enhances the production of androgen-binding protein by the Sertoli cells of the testes and is critical for spermatogenesis. In both males and females, FSH stimulates the maturation of germ cells. In females, FSH initiates follicular growth, specifically affecting granulosa cells. With the concomitant rise in inhibin B FSH levels then decline in the late follicular phase. This seems to be critical in selecting only the most advanced follicle to proceed to ovulation. At the end of the luteal phase, there is a slight rise in FSH that seems to be of importance to start the next ovulatory cycle. Like its partner, LH, FSH releases

### Biological Activity:

40 Units/1mg.

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