



## Luteinizing Hormone (LH) Porcine, Native Protein

### Product Data Sheet

Cat. No.:	A2310200	A2310800	A2312000
Size:	200 IU	800 IU (4 x 200 IU)	2,000 IU (10 x 200 IU)

### Description

*Porcine Luteinizing Hormone (LH) Native Protein* is a glycosylated, polypeptide chain which stimulates maturation of follicle, induces ovulation, accelerates formation of corpus luteum and secretion of pregnanolone.

### Summary

Luteinizing hormone (LH) is produced in both men and women from the anterior pituitary gland in response to luteinizing hormone-releasing hormone (LH-RH or Gn-RH), which is released by the hypothalamus. LH, also called interstitial cell-stimulating hormone (ICSH) in men, is a glycoprotein composed of two non covalently associated dissimilar amino acid chains, alpha and beta. The alpha chain is similar to that found in human thyroid-stimulating hormone (TSH), follicle stimulating hormone (FSH), and human chorionic gonadotropin (hCG). The difference between these hormones lie in the amino acid composition of their beta subunits, which account for their immunological differentiation. In both males and females, LH works upon endocrine cells in the gonads to produce androgens.

### Type

Native Protein

### Source

Porcine.

### Formulation

Sterile-filtered white lyophilized (freeze-dried) powder. The LH was lyophilized with no additives.

### Reconstitution

It is recommended to reconstitute the lyophilized Porcine LH in sterile 18M-cm H<sub>2</sub>O at 100 IU / 4 ml, which can then be further diluted to other aqueous solutions.

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## Shipping

Ships ambient temperature. Upon receipt, store the product at the temperature recommended below.

## Storage/Expiration

Lyophilized Porcine LH, although stable at room temperature for 3 weeks, should be stored desiccated below  $-18^{\circ}$  C. Upon reconstitution, LH should be stored at  $4^{\circ}$  C between 2-7 days and for future use below  $-18^{\circ}$  C. For long term storage it is recommended to add a carrier protein (0.1% [HSA or BSA](#)). **Please prevent freeze-thaw cycles.**

## Usage

This product is intended for **Laboratory Research Use Only**. Not for use in diagnostic or therapeutic procedures. This product may not be used as a pharmaceutical or veterinary drug, agricultural product, or food additive.

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