LH ELISA kit

Highly sensitive LH ELISA kit enabling detection of LH in serum, plasma and tissue culture media in just 2 hours.

The LH ELISA kit is a colorimetric competitive enzyme immunoassay kit with results in 2 hours.

LH is produced by the gonadotroph cells in the anterior pituitary gland. It is responsible for ovulation in women and controls testosterone synthesis in men. An acute rise of LH, referred to as the “LH surge”, triggers ovulation and development of the corpus luteum in females. After ovulation, LH supports the transient life span of the corpus luteum acting on the luteinized granulosa cells. Cell enlargement and increased progesterone production are involved in the luteinization of the granulosa cells, which are closely associated with the developing gamete (egg) in the ovary.

Citations: 19 View Online »

Ordering Information

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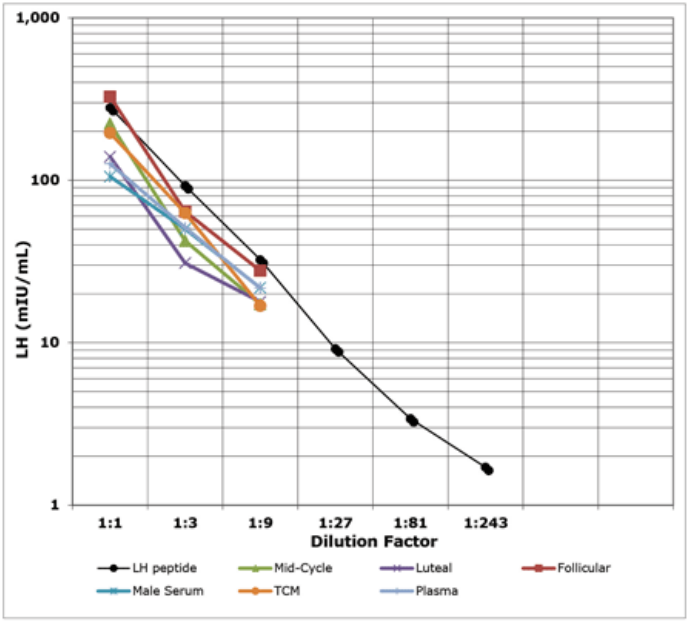
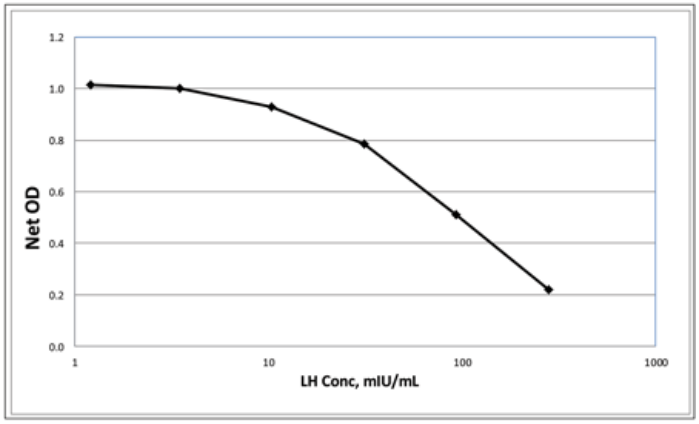
ENZ-KIT107-0001	96 wells

Manuals, SDS & CofA

View Online »

- Sensitive measurement of LH, detecting as little as 5.2 mIU/ml
- Negligible reactivity from similar glycoprotein hormones
- High throughput format with results in 2 hours for up to 39 samples in duplicate
- Fully quantitative results that surpass semi-quantitative Western blot analysis


1,000
100
10
1
LH (mIU/mL)
1:1
1:3
1:9
1:27
1:81
1:243
Dilution Factor
LH peptide
Mid-Cycle
Luteal
Follicular
Male Serum
TCM
Plasma


1.2
1.0
0.8
0.6
0.4
0.2
0.0
Net OD
1
10
100
1000
LH Conc, mIU/mL


Enzo
Life Sciences

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Luteinizing hormone, Lutropin
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of LH in tissue culture media, serum and plasma in human and rat samples.
Assay Time	2 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter Plate, Assay Buffer 13, Standard, Wash Buffer Concentrate, Antibody, Tracer, Conjugate, Substrate, and Stop Solution
Crossreactivity	LH (100%), FSH (≤0.004%), hCG (≤0.004%), TSH (≤0.3%)
Sensitivity	5.2 mIU/ml (1.2-280 mIU/ml)
Species Reactivity	Human, Rat
UniProt ID	P01215 (α chain), P01229 (β chain)
Wavelength	450 nm

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