

General Testosterone ELISA Kit | T elisa kit

T (Testosterone) ELISA Kit

CATALOG #
AAA21968

REACTIVITY
General

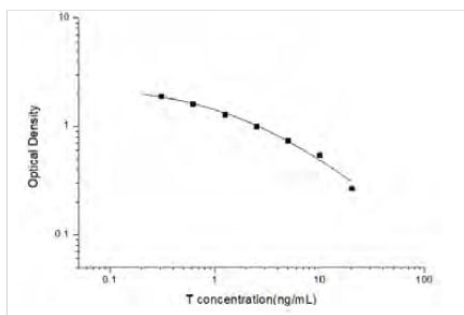
PRODUCT SYNONYMS

Testosterone; T (Testosterone) ELISA Kit; T elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This kit recognizes T in samples. No significant cross-reactivity or interference between T and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, urine and saliva
Detection Range	0.31-20ng/mL
Sensitivity	0.17ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 human samples with low, mid range and high level T were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 human samples with low, mid range and high level T were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for T elisa kit	Background: Testosterone is a hormone found in humans, as well as in other animals. The testicles primarily make testosterone in men. Women's ovaries also make testosterone, though in much smaller amounts. Testosterone production starts to increase significantly during puberty, and begins to dip after age 30 or so [1]. Testosterone is most often associated with sex drive, and plays a vital role in sperm production. But it also affects bone and muscle mass, the way men store fat in the body, and even red blood cell production. A man's testosterone levels can also affect his mood. Testosterone is used as a medication for the treatment of males with too little or no natural testosterone production, certain forms of breast cancer, and gender dysphoria in transgender men. This is known as hormone replacement therapy(HRT) or testosterone replacement therapy(TRT), which maintains serum testosterone levels in the normal range. Decline of testosterone production with age has led to interest in androgen replacement therapy [2]. 1. Mooradian, A. D., Morley, J. E., & Korenman, S. G. (1987). Biological actions of androgens. Endocrine reviews, 8(1), 1-28. 2. Myers, J. B., & Meacham, R. B. (2003). Androgen replacement therapy in the aging male. Reviews in urology, 5(4), 216. Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with T. During the reaction, T in the sample or standard competes with a fixed amount of T on the solid phase supporter for sites on the Biotinylated Detection Ab specific to T. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzymesubstrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of T in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of T concentrations in serum, plasma, urine and saliva. Please contact tech-support for other sample type detection.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/t-general-elisa-kits/testosterone/21968>