

Human Free Thyroxine (fT4) ELISA Kit

Catalog No: #EK11594



Package Size: #EK11594-1 48T #EK11594-2 96T

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Description

Product Name	Human Free Thyroxine (fT4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:4- 64 pmol/L

Sensitivity:1.08 pmol/L

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 &mu;L

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific for fT4 has been pre-coated onto a microplate. Standards or samples and a biotin-conjugated antibody specific for fT4 are pipetted into the wells. A competitive inhibition reaction is launched between fT4 (Standards or samples) and biotin-conjugated fT4 with the pre-coated antibody specific for fT4. After washing, streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of fT4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.