

Thyroid Stimulating Hormone (TSH) ELISA Kit | TSH elisa kit

Chicken Thyroid Stimulating Hormone (TSH) ELISA Kit

CATALOG #
AAA88005

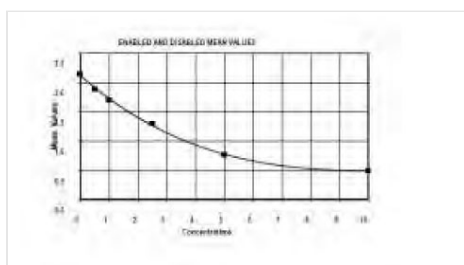
PRODUCT SYNONYMS

Thyroid Stimulating Hormone (TSH); Chicken Thyroid Stimulating Hormone (TSH) ELISA Kit; TSH elisa kit

PRODUCT SPECIFICATIONS

Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TSH elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This TSH ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of TSH in the sample, this TSH ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus TSH concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of TSH utilizes a monoclonal anti-TSH antibody and an TSH-HRP conjugate. The assay sample and buffer are incubated together with TSH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TSH concentration since TSH from samples and TSH-HRP conjugate compete for the anti-TSH antibody binding site. Since the number of sites is limited, as more sites are occupied by TSH from the sample, fewer sites are left to bind TSH-HRP conjugate. Standards of known TSH concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of TSH. The TSH concentration in each sample is interpolated from this standard curve.

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.

