

The Thyroid-stimulating Hormone (TSH)

Item Number: TSH

Introduction

Accurate TSH test kits for precise thyroid function analysis. High sensitivity, specificity, and stability. CLIA, FIA, and LF methods available. Get reliable results!

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Feature	Description
Product Name	Anti-h TSH
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Application	LF, CLIA, FIA
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	1.0 mg/ml (+/- 10 %)
Isotype	IgG1
Clonality	Monoclonal
Epitope	Group 1
Purity	≥ 95 %
Affinity constant	$K_A = 5.1 \times 10^9$ 1/M; $K_D = 2.0 \times 10^{-10}$ M (= 0.20 nM)
Associated Products	Native TSH antigen 996-51
Buffer	0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	6.6–7.7
Cross Reactivity	hCG 0.1 %, LH 0.8 %, FSH 1.0 %
Specificity	Antibody recognizes human thyrotropin and its free beta subunit

Condition	Details
Storage	+2-8°C
Shipping	Cold packs
Shelf Life	12 months

Indicator	Specification
Packaging Appearance	Product outer packaging box and aluminum foil packaging bag are complete and undamaged.
Buffer Appearance	The buffer should be clear and transparent, without suspended matter. The bottle should be tight and leak-free.□This applies only to reagent kits for the Getein1100 analyzer.□
Buffer Volume	The volume of the buffer should be 2.0mL, and its net content should be within the range of 2.0g±0.10g.□This applies only to reagent kits for the Getein1100 analyzer.□
Buffer pH	The pH of the buffer should be within the range of 7.2±0.2.□This applies only to reagent kits for the Getein1100 analyzer.□
Test Strip Appearance	Clean and flat appearance, no burrs, no damage, no pollution; material attached firmly.
Test Strip Width	The width should not exceed ±0.20mm of the nominal value, which is 4.00mm.
Migration Speed	The liquid migration speed should not be less than 10mm/min.
Minimum Detection Limit	The minimum detection limit concentration should not be higher than 0.10 μIU/mL.

Feature	Description
Condition	Details
Indicator	Specification
Specificity	The detection result of follicle-stimulating hormone (FSH) with a concentration of no less than 200IU/L should not be higher than the minimum detection level. The detection result of luteinizing hormone (LH) with a concentration of no less than 200IU/L should not be higher than the minimum detection level. The detection result of human chorionic gonadotropin (HCG) with a concentration of no less than 1000IU/L should not be higher than the minimum detection level.
Linear Range	Within the range of 0.10 μ U/mL~50 μ U/mL, the linear correlation coefficient $r \geq 0.990$.
Accuracy	Relative deviation should not be greater than 20%.
Repeatability	Repeatability should not be greater than 10%.
Inter-batch Precision	Inter-batch difference should not be greater than 15%.
Stability	The product is stored at 4~30°C in a sealed aluminum foil bag, and the product within 1 month after the expiration date is tested, and the test results should meet the requirements of items 2.1~2.8.