

Triiodothyronine (T3)

Item Number: T3

Introduction

High-quality Triiodothyronine (T3) test kits for accurate thyroid function diagnosis. Our IVD reagents ensure precision, reliability, and meet strict standards. Explore now!

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Feature	Description
Product Name	Anti-h T3
Description	Monoclonal antibody raised against human T3. In vitro cultured mouse hybridomas.
Application	ELISA
Form/Appearance	Liquid
Concentration	> 1.0 mg/ml
Isotype	IgG1
Clonality	Monoclonal
Epitope	N/D
Purity	≥ 95 %
Affinity constant	N/D
Buffer	0.1 M PBS, pH 7.4, 0.9 % NaCl, 0.05 % NaN ₃ as a preservative
IEF Profile	6.7-7.1
Specificity	Antibody recognizes human triiodothyronine (T3)
Cross Reactivity	L-3,3',5-triiodothyronine (L-T3) 100 %, L-thyroxine (L-T4) 0,17 %, D-thyroxine (D-T4) 0,04 %, 3,3',5-triiodothyroacetic acid (TRIAc) 52 %, 3,5-diiodo-L-tyrosine 0,22 %

Condition	Description
Storage	+2-8°C
Shipping	Cold packs
Shelf Life	10 years

Indicator	Requirement
Appearance and Volume	Components should be complete and intact, liquid should be free of leakage and impurities. Packaging labels should be clear, accurate, and secure. Instructions and labels should meet requirements. Each component should be no less than the indicated value (see instructions).
Accuracy	Relative deviation within ±10%.
Lower Detection Limit	≤ 0.3 nmol/L.
Linearity	Linear range: 0.3 nmol/L ~ 10 nmol/L. Correlation coefficient $r \geq 0.990$ within this range.
Repeatability	Coefficient of Variation (CV) ≤ 8%.
Inter-batch Difference	Inter-batch Coefficient of Variation (CV) ≤ 15%.
Specificity (vs. TT4)	TT4 concentration ≥ 500 ng/mL should result in a measurement ≤ 3.07 nmol/L.
Specificity (vs. rT3)	rT3 concentration ≥ 50 ng/mL should result in a measurement ≤ 3.07 nmol/L.
Stability	When stored at 2-8°C in the dark and unopened, the appearance and volume, accuracy, minimum detection limit, linearity, repeatability, and specificity of the test reagents within one month after the expiration date should meet the requirements.

Feature	Description
Condition	Description
Indicator	Requirement
Calibrator Uniformity	Non-uniformity should be no greater than 10%.
Calibrator Accuracy	Relative deviation should be within $\pm 10\%$.
Calibrator Stability	When stored at 2-8°C in the dark and unopened, the uniformity and accuracy of the calibrator within 1 month of the expiration date should meet the requirements.