

Free Triiodothyronine (FT3)

Item Number: FT3

Introduction

Accurate Free Triiodothyronine (FT3) test kits for precise thyroid function assessment. Diagnose hyperthyroidism, hypothyroidism, and monitor treatment effectively. Ensure accuracy with our high-quality IVD reagents

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Feature	Description
Product Name	Serum, Free Triiodothyronine (T3) Samples
Form/Appearance	Liquid
Source	Single Human Donor
Application	Diagnosis of hyperthyroidism, monitoring treatment of patients with known thyroid disorders, assessment of thyroid function. Used in conjunction with TSH and FT4 tests.
Purpose of Measuring	Accurate measurement of FT3 levels to assess thyroid function. Helps diagnose hyperthyroidism, hypothyroidism, hypopituitarism, and thyrotoxic periodic paralysis. Identifies thyroid disorders.

Condition	Description
Storage	-20°C
Shipping	Dry Ice
Shelf Life	No single expiration date can be assigned. The end user should monitor the biomarkers of interest to verify suitability over time due to differing stabilities of various biomarkers. Storage at 2-8°C, protected from light and unopened.

Indicator	Requirement
Appearance & Volume	Kit components should be complete and intact, liquid should be free of leakage and impurities. Packaging labels should be clear, accurate, and secure. Volume of each component should not be less than the indicated value.
Accuracy	Correlation coefficient $r \geq 0.975$, relative deviation within $\pm 10\%$.
Lower Detection Limit	≤ 0.4 pmol/L.
Linearity	Linear range: 0.4 pmol/L ~ 50 pmol/L, correlation coefficient $r \geq 0.990$ within this range.
Repeatability	Coefficient of variation (CV) $\leq 8\%$.
Batch-to-Batch Variation	Inter-batch coefficient of variation (CV) $\leq 15\%$.
Stability	When stored at 2-8°C protected from light and unopened, the appearance and volume, accuracy, minimum detection limit, linearity, and repeatability of the product within one month after the expiration date should meet the requirements.
Calibrator Homogeneity	Calibrator homogeneity should be no greater than 10%.
Calibrator Accuracy	Relative deviation should be within $\pm 10\%$.
Calibrator Stability	When stored at 2-8°C protected from light and unopened, the homogeneity and accuracy of the calibrator within one month after the expiration date should meet the requirements.