Free Thyroxine (FT4)

Item Number: FT4

Introduction

Accurate Free Thyroxine (FT4) assays for precise thyroid function diagnosis. High sensitivity, broad linearity, and reliable results. Monitor thyroid health effectively now!

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Feature	Description
Product Name	Serum, Free Thyroxine (T4) Samples
Form/Appearance	Liquid
Source	Single Human Donor
Application	Determining thyroid function, diagnosis of hypothyroidism or hyperthyroidism, evaluating goitre, diagnosis of pituitary disorders and female infertility, monitoring treatment effectiveness in patients with thyroid disorder or pituitary disease, monitoring patients with thyroid cancer

Condition	Description
Storage	-20ºC
Shipping	Dry Ice
Shelf Life	The end user should monitor the biomarkers of interest to verify suitability over time.

Indicator	Requirement
Appearance and Volume	Kit components should be complete and intact, liquid should be free of leakage and impurities. Packaging labels should be clear, accurate and firm; instructions and labels should meet requirements. Each component should not be less than the indicated value.
Accuracy	Correlation coefficient r ≥ 0.975, relative deviation within ±10% (compared to reference).
Minimum Detection Limit	≤ 0.3 pmol/L
Linearity	Linear range of 0.3 pmol/L ~ 100 pmol/L, correlation coefficient r ≥ 0.990 within this range.
Repeatability	Coefficient of Variation (CV) ≤ 8%
Batch-to-Batch Variation	Inter-batch Coefficient of Variation (CV) ≤ 15%
Stability	When stored at 2~8℃ in dark and unopened conditions, the appearance and volume, accuracy, minimum detection limit, linearity, and repeatability of the product within one month after the expiration date shall meet the requirements of 2.1~2.5 respectively.
Calibrator Uniformity	Calibrator uniformity should be no greater than 10%.
Calibrator Accuracy	Relative deviation within ±10%.
Calibrator Stability	When stored at 2~8℃ in dark and unopened conditions, the uniformity and accuracy of the product within 1 month after the expiration date should meet the requirements of 2.8.1 and 2.8.2.