

Product Datasheet

Dibromo-tyrosine ELISA Kit (Colorimetric) NBP2-61928-96Tests

Unit Size: 96 Tests

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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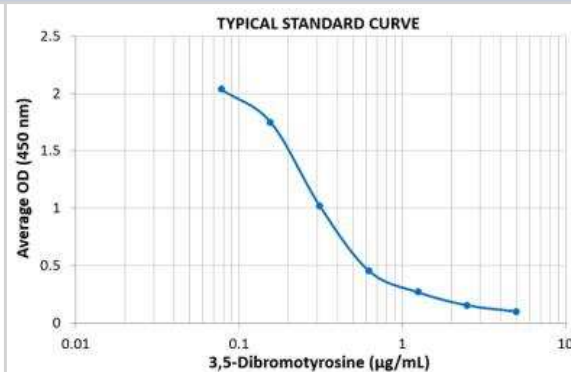


NBP2-61928-96Tests**Dibromo-tyrosine ELISA Kit (Colorimetric)**

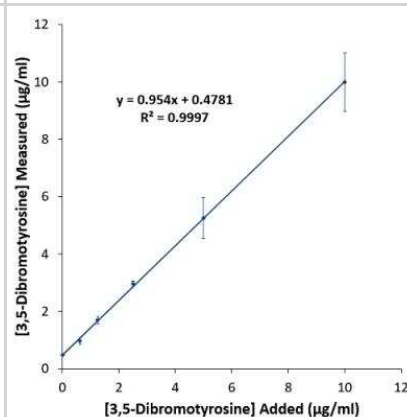
Product Information	
Unit Size	96 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Product Description	
Specificity/Sensitivity	ELISA kit used to quantify free and protein-bound 3,5-dibromotyrosine in samples. No detectable cross-reactivity was observed at assay range 0.078 ug/mL to 5 ug/mL for tyrosine, di-tyrosine, 3-nitro-tyrosine or 3-bromo-tyrosine. Intra-Assay Precision: Three samples of known concentration were assayed thirty times on one plate; the intra-assay coefficient of variation of the Dibromo-tyrosine ELISA has been determined to be < 10%. Inter-Assay Precision: Three samples of known concentration were assayed thirty times in three individual assays; the inter-assay coefficient of variation of the Dibromo-tyrosine ELISA has been determined to be < 10%.
Kit Components	Dibromo-tyrosine: BSA Coated Plate (1 EA), Dibromo-tyrosine Standard (75 uL), Dibromo-tyrosine: Biotin Conjugated Monoclonal Antibody (75 uL), Streptavidin Poly HRP Concentrate (150 uL), Sample and Standard Diluent - Red (50 mL), Dibromo-tyrosine Antibody Diluent - Blue (13 mL), Wash Buffer Concentrate - 10X (50 mL), TMB Substrate (13 mL), Stop Solution (13 mL), Plate Covers (2 EA), Streptavidin Poly HRP Diluent (13 mL)
Standard Curve Range	0.078 - 5 ug/mL
Sensitivity	0.04 ug/mL
Assay Type	Competitive ELISA (Enzyme-linked Immunosorbent Assay)
Spiking Recovery	Spike recovery and linearity of dilution studies yielded 10% precision across dilutions
Suitable Sample Type	Plasma, Urine
Sample Volume	39 samples in duplicate, 23 in triplicate
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

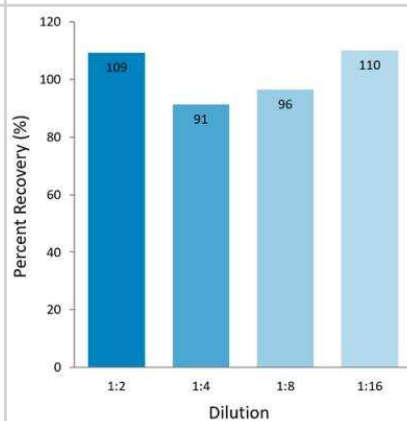
ELISA: Dibromo-tyrosine ELISA Kit (Colorimetric) [NBP2-61928] - Typical Standard Curve for the Dibromo-tyrosine ELISA Kit (Enzyme-Linked Immunosorbent Assay) MOLECULAR SIGNATURE. Assay Type: Competitive ELISA. Detection Method: Colorimetric Assay. Assay Range: 0.078 -5 ug/mL.



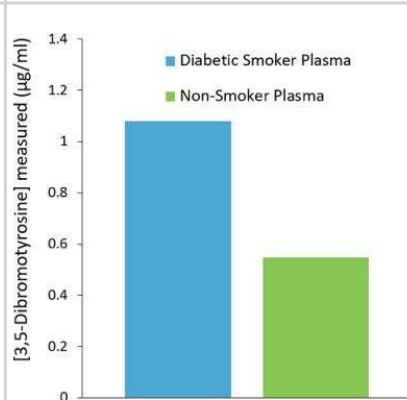
ELISA: Dibromo-tyrosine ELISA Kit (Colorimetric) [NBP2-61928] - Recovery of dibromo-tyrosine from urine. Urine samples were spiked with dibromo-tyrosine, and diluted as described in the Sample Preparation section of the manual (page 10) and analyzed using the Dibromo-Tyrosine ELISA kit. The y-intercept corresponds to the amount of dibromo-tyrosine in unspiked urine.



ELISA: Dibromo-tyrosine ELISA Kit (Colorimetric) [NBP2-61928] - Graph of the Dibromo-tyrosine Spike Recovery in Human Plasma.



ELISA: Dibromo-tyrosine ELISA Kit (Colorimetric) [NBP2-61928] - Graph of the sample comparison between diabetic smoker plasma and non-diabetic/non-smoker plasma.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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