

Product Datasheet

Creatinine Assay Kit (Colorimetric)

NBP3-07134

Unit Size: 2 Plates

Store at 4C.

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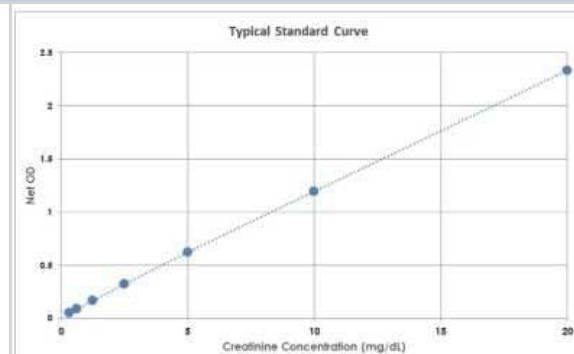
NBP3-07134**Creatinine Assay Kit (Colorimetric)**

Product Information	
Unit Size	2 Plates
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C.
Product Description	
Species	Human, Rat, Canine, Monkey
Kit Components	Creatine Standard, Creatine Reagent, Plate Sealer, 96-Well Clear Microtitre Plates (2 EA)
Standard Curve Range	0.3125 - 20 mg/dL
Sensitivity	0.032 mg/dL
Inter Assay	%CV < 8.13
Intra Assay	%CV < 8.77
Assay Type	Direct quantitative assay
Suitable Sample Type	Urine
Product Application Details	
Applications	ELISA, Product Image, Quantification
Recommended Dilutions	ELISA, Quantification , Product Image

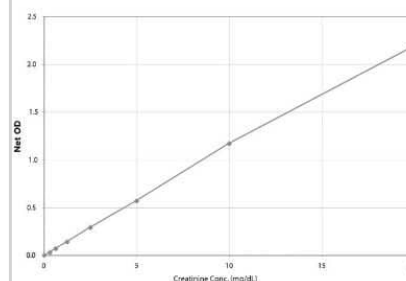


Images

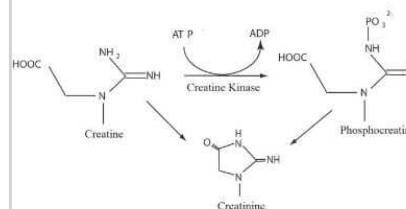
ELISA: Creatinine Assay Kit (Colorimetric) [NBP3-07134] - Standard curve for Creatinine using NBP3-07134.



Creatinine Assay Kit (Colorimetric) [NBP3-07134] - Typical Standard Curve for the Creatinine Detection Kit - NBP3-07134. Assay Type: Quantitative. Detection Method: Colorimetric Assay. Assay Range: 0.3125- 20 mg/dL.



Creatinine Assay Kit (Colorimetric) [NBP3-07134] - Conversion of creatine and p-creatine to creatinine. Creatine and p-creatine are converted non-enzymatically to the metabolite creatinine, which diffuses into the blood and is excreted by the kidneys. In vivo, this conversion appears to be irreversible and in vitro it is favored by higher temperatures and lower pH. Creatinine forms spontaneously from p-creatine.



Publications

Zhao HX, Zhang Z, Hu F et al. Swimming exercise activates peroxisome proliferator-activated receptor-alpha and mitigates age-related renal fibrosis in rats Molecular and cellular biochemistry 2022-10-11 [PMID: 36219352]



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Products Related to NBP3-07134

KGE005	Creatinine [Biotin]
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Limitations

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

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