

# Product Datasheet

## Creatinine Assay Kit (Colorimetric)

### NBP3-07134

Unit Size: 2 Plates

Store at 4C.

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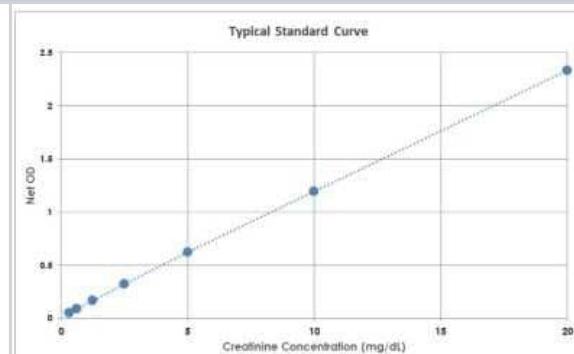
**NBP3-07134****Creatinine Assay Kit (Colorimetric)**

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

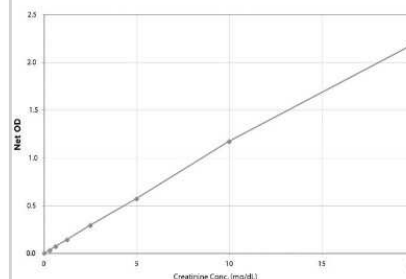


## Images

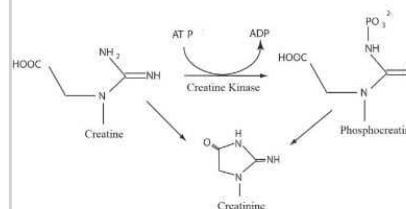
ELISA: Creatinine Assay Kit (Colorimetric) [NBP3-07134] - Standard curve for Creatinine using NBP3-07134.



Product Image: 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.



Product Image: 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**

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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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