

# Product Datasheet

## Paraquat ELISA Kit (Colorimetric) KA1424

Unit Size: 1 Kit

Store at 4C.

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**KA1424****Paraquat ELISA Kit (Colorimetric)**

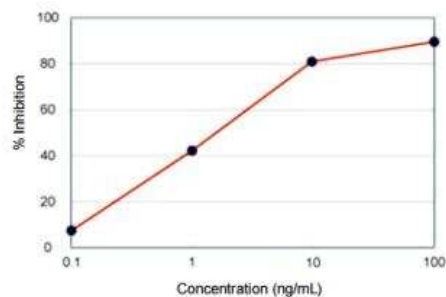
<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.

<b>Product Description</b>	
<b>Description</b>	Paraquat ELISA Kit is a competitive binding enzyme immunoassay for the quantitative measurement of paraquat.
<b>Kit Components</b>	96-wells microtiter plate (#S): Twelve strips of 8 detachable wells coated with Anti-Paraquat antibody., Calibrators: Containing of 0, 0.75, 2.5 and 7.5 ng/mL of Paraquat., Paraquat-Horseradish Peroxidase Conjugate (PRQ-HRP) (#3), Stabilized tetramethylbenzidine (TMB) substrate (#5): Ready to use., Wash Buffer (10x PBS-Tween) (#6): Dilute 10 fold with distilled or deionized water to 150 mL prior to use., Stop Solution (#7): 3 N HCl.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Sensitivity</b>	The actual detection limit is based on the setup of experiment protocol, such as extraction procedure and dilution factor.
<b>Assay Type</b>	Competitive ELISA
<b>Suitable Sample Type</b>	0.1% BSA, Plasma, Serum, and Water
<b>Sample Volume</b>	25 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

**Images**

ELISA: Paraquat ELISA Kit [HRP] [KA1424] - Paraquat Inhibition curve



## Publications

Q Li, H Xiao, Y Shao, X Chang, Y Zhang, Z Zhou Paraquat increases Interleukin-1&beta; in hippocampal dentate gyrus to impair hippocampal neurogenesis in adult mice *Ecotoxicol. Environ. Saf.*, 2020-05-22;200(0):110733. 2020-05-22 [PMID: 32450442]

Camacho-Morales RL, Guillen-Navarro K, Sanchez JE. et al. Degradation of the herbicide paraquat by macromycetes isolated from southeastern Mexico. *Biotech* 2017-09-16 [PMID: 28955621]

Wen X, Gibson CJ, Yang I et al. MDR1 Transporter Protects Against Paraquat-Induced Toxicity in Human and Mouse Proximal Tubule Cells. *Toxicol Sci.* 2014-07-11 [PMID: 25015657]





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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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