

Canine Vitamin K ELISA Kit | VK elisa kit

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CATALOG #
AAA93951

REACTIVITY
Canine

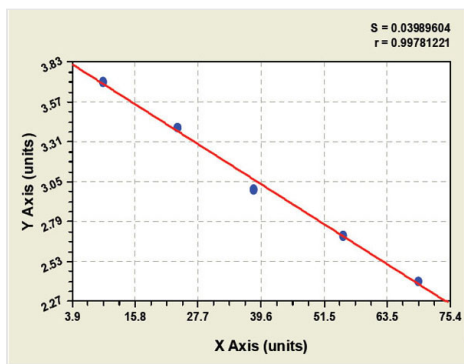
PRODUCT SYNONYMS

Vitamin K; Canine Vitamin K ELISA Kit; VK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10 nmol/L
Sensitivity	0.1nmol/L
Intended Uses	This VK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VK. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VK elisa kit	Principle of the Assay: VK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VK antibody and an VK-HRP conjugate. The assay sample and buffer are incubated together with VK-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VK concentration since VK from samples and VK-HRP conjugate compete for the anti-VK antibody binding site. Since the number of sites is limited, as more sites are occupied by VK from the sample, fewer sites are left to bind VK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VK concentration in each sample is interpolated from this standard curve.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/vk-canine-elisa-kits/vitamin-k/93951>