

## Caffeine ELISA kit

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This kit applies competitive inhibition ELISA method for the quantitative detection of Caffeine in various species samples. The microtiter plate provided in this kit has been pre-coated with Caffeine protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Caffeine. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$ 10nm. The concentration of Caffeine in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3000683
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Various
Sample	Serum; Plasma; Tissue Homogenates; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	2.5 hours
Sensitivity	0.24 ng/mL
Standard Curve Range	0.47-30 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months