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Product Datasheet

Caffeine ELISA Kit EBT-ELK0683

Artikelname	Caffeine ELISA Kit
Artikelnummer	EBT-ELK0683
Hersteller Artikelnummer	ELK0683
Alternativnummer	EBT-ELK0683-96, EBT-ELK0683-48, EBT-ELK0683-96X5
Hersteller	ELK Biotechnology
Kategorie	Kits/Assays
Spezies Reaktivität	All
Konzentration	30 ng/mL
Detektionsbereich	0.47-30 ng/mL
Sensitivitaet	0.25 ng/mL
Proben	Serum, plasma, other biological fluids

Anwendungsbeschreibung

Assay Type: Competitive Inhibition. Assay length: 2.5h. Research Area: Signal transduction,. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Caffeine. 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 10nm. The concentration of Caffeine in the samples is then determined by comparing the OD of the samples to the standard curve