

Human L-Carnitine ELISA kit

This kit applies sandwich ELISA method for the quantitative detection of L-Carnitine in human samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human L-Carnitine. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human L-Carnitine. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human L-Carnitine, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 Human L-Carnitine in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3019821
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Human
Sample	Serum; Plasma; Urine; Tissue Homogenates
Assay Method	Sandwich ELISA
Assay Duration	3.5 hours
Sensitivity	0.115 ng/mL
Standard Curve Range	0.32-20 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months