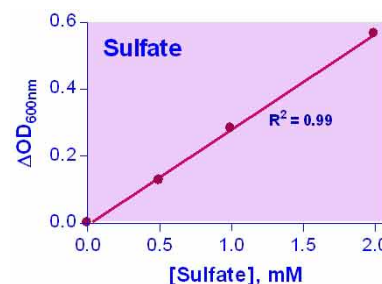


CD Sulfate Assay Kit

Catalog Number: AKBA089

Size: 200 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD Sulfate Assay Kit
Applications	For quantitative determination of sulfate ion and evaluation of drug effects on sulfate metabolism.
Features	Sensitive and accurate. Detection range 0.02 mM (0.19 mg/dL) to 2 mM (19.2 mg/dL) sulfate in a 96-well plate assay. Simple and high-throughput. The procedure involves the addition of a single working reagent and incubation for 5 min.
Detection Method	OD600nm
Sample Type	Serum, urine, food, and environment
Species	All
Assay Time	5 min
Limit of Detection	20 μM
Expiration Date	12 months
Description	INORGANIC SULFATE is one of the most abundant anions in mammalian plasma. Sulfate plays important physiological roles in activating and detoxifying xenobiotics, steroids, neurotransmitters, and bile acids. Sulfate is needed for the biosynthesis of glycosaminoglycans, cerebroside sulfate, and heparin sulfate. Undersulfation of cartilage proteoglycans has been associated with human-inherited osteochondrodysplasia disorders. In mammals, sulfate homeostasis is regulated by the kidney. The majority of filtered sulfate is absorbed in the proximal tubules, and only 5-20% of the filtered load is excreted into the urine. Simple, direct, and automation-ready procedures for quantitative determination of inorganic sulfate find wide applications in research and drug discovery. CD sulfate assay kit is designed to measure sulfate concentration in biological fluids such as serum and urine. The improved method utilizes the quantitative formation of insoluble barium sulfate in polyethylene glycol. The turbidity measured between 540 and 610nm is proportional to the sulfate level in the sample.
Shipping Conditions	Shipping: RT
Storage	Storage: RT upon receipt