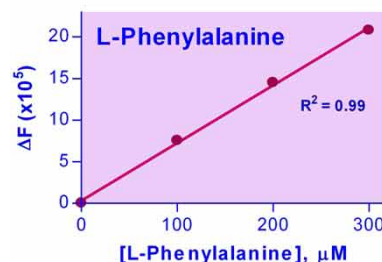


CD Phenylalanine Assay Kit

Catalog Number: AKBA040

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD Phenylalanine Assay Kit
Applications	For quantitative determination of L-phenylalanine and evaluation of drug effects on its metabolism.
Features	Safe. Non-radioactive assay. Sensitive and accurate. Linear detection range of 2 – 300 μM L-phenylalanine. Convenient and high-throughput. Homogeneous “mix-incubate-measure” type assay. No wash and reagent transfer steps are involved. Can be readily automated on HTS liquid handling systems for processing thousands of samples per day.
Detection Method	FL530/595nm
Sample Type	Serum, urine etc
Species	All
Assay Time	30 min
Limit of Detection	2 μM
Expiration Date	6 months
Description	L-Phenylalanine is one of the twenty common amino acids and an important precursor for several key signal molecules such as dopamine, norepinephrine, epinephrine, and the skin pigment melanin. It is found naturally in the breast milk of mammals and used as a nutritional supplement in food and drink products. The genetic disorder phenylketonuria is the inability to metabolize phenylalanine. Individuals with this disorder are known as “phenylketonurics”. Individuals who cannot metabolize phenylalanine must monitor their intake of protein to control the buildup of phenylalanine. BioAssay Systems’ L-Phenylalanine Assay Kit provides a convenient fluorimetric means to measure L-phenylalanine in biological samples. In the assay, L-phenylalanine is oxidized by phenylalanine dehydrogenase, producing NADH, which reduces a fluorescent dye to a highly fluorescent product. The resulting fluorescence intensity ($\lambda_{\text{ex/em}} = 530/585 \text{ nm}$) is linear to the L-phenylalanine concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt