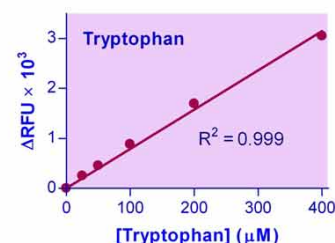


CD Tryptophan Assay Kit

Catalog Number: AKBA052

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD Tryptophan Assay Kit
Applications	For quantitative determination of tryptophan and evaluation of drug effects on its metabolism.
Features	Fast and sensitive. Use of 10 μL sample. Linear detection range from 10μM to 400 μM tryptophan in a 96-well plate assay. Convenient. The procedure involves adding a single working reagent and reading the fluorescence after 30 minutes. Room temperature assay. No 37°C heater is needed. High-throughput. "Add-mix-read" type assay. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.
Detection Method	FL530/585nm
Sample Type	Serum
Species	All
Assay Time	30 min
Limit of Detection	10 μM
Expiration Date	6 months
Description	TRYPTOPHAN is one of the eight essential amino acids that the body cannot synthesize and must be obtained through diet. Tryptophan is the biochemical precursor to the neurotransmitter serotonin, which has important roles in biological processes such as the regulation of appetite, sleep, and mood. Imbalances of serotonin have been linked to numerous mental health disorders. Tryptophan is also a precursor to the neurotransmitter melatonin, which is heavily involved in regulating the body's sleep cycle. CD Tryptophan Assay uses a coupled enzymatic reaction to determine the tryptophan concentration of a sample with the addition of a single working reagent. The fluorescence intensity at $\lambda_{ex/em} = 530/585$ nm is directly proportional to the tryptophan concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt