

CD D-Amino Acid Assay Kit

Catalog Number: AKBA586

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD D-Amino Acid Assay Kit
Applications	For quantitative determination of D-Amino Acids in biological and other samples.
Features	Fast and sensitive. Linear detection range: 0.86 to 500 μM (colorimetric assay) and 0.18 to 50 μM (fluorimetric assay) for 60 min reaction. Convenient. The procedure involves adding a single working reagent and reading after 60 minutes. High-throughput. Homogeneous “mix-incubate-measure” type assay. Can be readily automated to process thousands of samples per day.
Detection Method	OD570nm or FL530/585nm
Sample Type	Tissue, milk, and other biological samples
Species	All
Assay Time	60 min
Limit of Detection	0.86 μM (colorimetric assay), 0.18 μM (fluorimetric assay)
Expiration Date	6 months
Description	D-AMINO-ACIDS are not as widespread as their enantiomeric counterparts in proteins but they can be found in organisms ranging from bacteria (cell walls and antibiotics) to mammals (central nervous systems). The presence of D-amino acids in food is also of considerable interest. Racemization of L-amino acids during food processing may affect food quality and nutritional value. BioAssay Systems' D-amino acid assay uses an enzyme-catalyzed oxidation of D-amino acids to convert a dye into a colored and fluorescent form. The absorbance at 570 nm or fluorescence intensity at $\lambda_{ex/em} = 530/585$ nm is directly proportional to the D-amino acid concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt