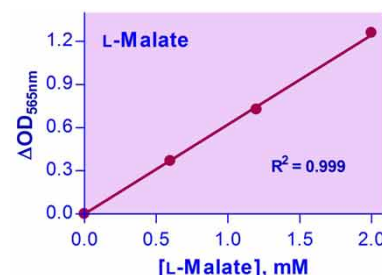


CD Malate Assay Kit

Catalog Number: AKBA036

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD Malate Assay Kit
Applications	For quantitative determination of L-malate (L-malic acid) and drug effects on malate metabolism.
Features	Fast and sensitive. Use of 20 µL sample. Linear detection range 0.02 to 2 mM L-malate in 96-well plate assay. Convenient. The procedure involves adding a single working reagent and reading the optical density at a time of 15 minutes. Room temperature assay. No 37°C heater is needed. High-throughput. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.
Detection Method	OD _{565nm}
Sample Type	Malate in food, juice, beverage, and other agricultural products
Species	All
Assay Time	15 min
Limit of Detection	0.02 mM
Expiration Date	6 months
Description	L-malate, or L-Malic acid, is a dicarboxylic acid that is made by all living organisms and plays an important role in the Calvin and Krebs Cycle. It is a source of CO ₂ for the Calvin cycle in plants and is also an intermediate that forms from fumarate in the Krebs Cycle. Malate is frequently used in food and beverage industries as an additive in products such as wine, beer, candies, etc. CD L-malate assay kit is based on malate dehydrogenase catalyzed oxidation of malate in which the formed NADH reduces a formazan (MTT) reagent. The intensity of the product color, measured at 565 nm is proportional to the malate concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt