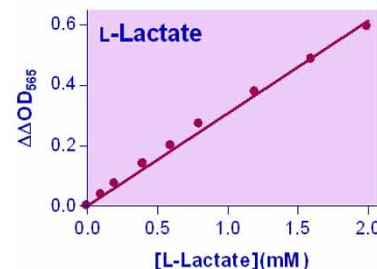


## CD L-Lactate Assay Kit

**Catalog Number:** AKBA136

**Size:** 100 tests

**Price:** [Online Inquiry](#)



### Product Information

Product Name	CD L-Lactate Assay Kit
Applications	For quantitative determination of L-lactate (L-lactic acid) and evaluation of drug effects on its metabolism.
Features	Sensitive and accurate. The detection limit of 0.05 mM and linearity up to 2 mM L-Lactate in 96-well plate assay. For cell culture samples containing phenol red: detection limit of 0.1 mM and linearity up to 1 mM L-Lactate in a 96-well plate assay. Convenient. The procedure involves adding a single working reagent, and reading the optical density at time zero and at 20 min. 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	OD565nm
Sample Type	Serum, plasma, cell culture media, etc
Species	All
Assay Time	20 min
Limit of Detection	0.05 mM
Expiration Date	6 months
Description	Lactate is generated by lactate dehydrogenase (LDH) under hypoxic or anaerobic conditions. Monitoring lactate levels is, therefore, a good indicator of the balance between tissue oxygen demand and utilization and is useful when studying cellular and animal physiology. Simple, direct, and automation-ready procedures for measuring lactate concentration are very desirable. CD lactate assay kit is based on lactate dehydrogenase catalyzed oxidation of lactate, in which the formed NADH reduces a formazan (MTT) reagent. The intensity of the product color, measured at 565 nm, is proportionate to the lactate concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt