L-Lactate Assay II

A plate based colorimetric assay to measure L(+)-Lactate concentration in various samples.

L(+)-Lactate is formed in animals by the action of the enzyme Lactate Dehydrogenase. L-Lactate is the major lactate stereoisomer formed in human metabolism and D-Lactate is present at much lower levels (~1-5% of L-Lactate). L-Lactate plays an important role in many biological processes. High lactate concentrations are associated with pathological conditions such as diabetes and lactic acidosis. AkrivisBio's L-Lactate Assay is a simple, colorimetric assay to measure Lactate in various biological samples. In this assay, L-lactate is oxidized by L-Lactate Dehydrogenase to form pyruvate and NADH. NADH then reduces WST, a readily reducible nearly colorless tetrazolium to a highly colored formazan measured at OD 450 nm. This assay is useful for detecting L(+)-Lactate at concentrations of 0.05 to 20 mM. There is no need for pretreatment or purification of samples.

Ordering Information

Order Online »

AKR-MA-0123	100 wells

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Colorimetric detection
Species Reactivity	Species independent
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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