Succinate Assay

A plate based colorimetric assay to quantify succinate at levels below 25 µM in a variety of sample types.

Succinate is an important metabolite in the tricarboxylic acid cycle. Succinate has also emerged as a signaling molecule in various cellular processes, including inflammation, hypoxia responses, and regulation of gene expression. In pathological conditions such as ischemia, it accumulates, impairing mitochondrial function and promoting oxidative stress and tissue damage. AkrivisBio's Succinate assay is a simple, sensitive method for the accurate determination of succinate in a variety of samples at levels below 25 µM. In the assay, succinate is converted to succinyl CoA with the formation of an intermediate, which then undergoes a series of reactions to generate NADH. The NADH formed then reduces nearly colorless tetrazolium to a highly colored formazan measured at OD 450 nm.

Ordering Information

Order Online »

AKR-MA-0134	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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