Acetate Assay

A plate based colorimetric assay to quantify acetate levels in various samples.

Acetate, a molecule derived from various metabolic pathways, plays an important role in various biological processes, including energy metabolism and the synthesis of lipids. Additionally, acetate is a signaling molecule regulating gene expression and cellular processes. In AkrivisBio's Acetate Assay, acetate is phosphorylated, converting ATP to ADP. ADP is used to convert glucose to glucose-6-phosphate, which in turn is used to convert NAD to NADH. The NADH then reduces a nearly colorless tetrazolium to a highly colored formazan measured at OD 450 nm. The level of acetate quantitation is <1 nmole/well, equivalent to concentrations in the order of 20 µM in tested samples. Acetate assay helps in understanding acetate levels assessing microbial activity, and evaluating metabolic changes in various physiological and pathological conditions.

Ordering Information

Order Online »

AKR-MA-0130	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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