Pyruvate Assay

A plate based colorimetric/fluorometric assay to quantitate pyruvate in the range of 1 µM - 10 mM in a variety of biological samples.

Pyruvate is a crucial molecule in cellular metabolism. It also serves as a key precursor for various biosynthetic pathways, including the synthesis of amino acids and fatty acids. Pyruvate's central role in energy production and biosynthesis makes it a fundamental molecule in cellular processes. Measuring pyruvate levels can provide insights into various pathological conditions, including metabolic disorders, liver diseases, cancer etc. AkrivisBio's Pyruvate Assay is a simple, sensitive method of quantitating pyruvate in a variety of biological sample types. In the assay, Pyruvate in the sample is oxidized by pyruvate oxidase with the formation of hydrogen peroxide. Hydrogen peroxide is then utilized by the peroxidase to oxidize ADHP forming an intense color or fluorescence measured at OD = 570 nm or at Ex/Em = 538/587 nm respectively.

Ordering Information

Order Online »

AKR-MA-0129	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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