Alanine Aminotransferase (ALT) Assay

A plate based colorimetric/fluorometric assay to quantify Alanine aminotransferase activity in a variety of biological samples with a detection limit below 10 mU per well.

Alanine aminotransferase (ALT) is an enzyme also known as SGPT (serum glutamic pyruvic transaminase), and is found in serum and several tissues, predominantly in liver cells. High levels of ALT in the blood is an indication of liver damage or disease and is as part of a differential diagnostic test. AkrivisBio's ALT Assay is a simple and sensitive assay to measure ALT enzyme activity in a variety of biological samples. In this assay, alanine and α-ketoglutarate are converted to pyruvate and glutamate in the presence of ALT. Pyruvate is then oxidized forming hydrogen peroxide, which is utilized by the peroxidase to oxidize ADHP thereby resulting in the formation of intense color or fluorescence measured at OD 570 nm or at Ex/Em = 535/587 nm respectively.

Ordering Information

Order Online »

AKR-MA-0116	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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