Urea Assay

A plate based colorimetric assay to measure the concentration of urea in a wide variety of samples. The assay sensitivity is 0.1-0.2 nmol of urea per well.

Urea is a waste product formed in the liver as a result of protein metabolism and is excreted by the kidneys. It is the primary means of nitrogen excretion in mammals. Thus, measuring urea levels can provide information about kidney function or other metabolic conditions. AkrivisBio's Urea Assay is a simple, sensitive way to measure the concentration of urea in a variety of biological samples. In this assay, urea is hydrolyzed by the urease to ammonia, which via a series of reactions results in the formation of hydrogen peroxide. Hydrogen peroxide is then utilized by the peroxidase to oxidize ADHP thereby resulting in the formation of intense color measured at OD 570 nm. The assay sensitivity is 0.1-0.2 nmol of urea per well.

Ordering Information

Order Online »

AKR-MA-0118	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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