L-Carnitine Assay

A plate based colorimetric/fluorometric assay to measure free L-Carnitine in biological samples.

Carnitine is a critical transport molecule which shuttles fatty acids into the mitochondria where they are utilized to make acetyl CoA, a key part of the TCA cycle. In the reverse direction carnitine shuttles toxic by-products of fatty acid metabolism out of the mitochondria, minimizing oxidative stress and oxidative damage that would otherwise occur. L-Carnitine is synthesized from methionine and lysine. Beyond its highly important shuttle function, it also enhances insulin sensitivity and cellular glucose uptake. AkrivisBio's L-Carnitine Assay is a simple, sensitive means of measuring free L-Carnitine in biological samples.

Ordering Information

Order Online »

AKR-MA-0161	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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