

ARG83371 Ketone Body Assay Kit (Colorimetric)

Package: 100 assay
Store at: -80°C

Summary

Product Description	ARG83371 Ketone Body Assay Kit (Colorimetric) is an Assay kit for the quantification of Ketone Body (acetoacetate and 3-hydroxybutyrate) in serum, plasma, urine, cell lysate and tissue lysate
Tested Reactivity	All
Tested Application	FuncSt
Target Name	Ketone Body
Conjugation	Un-conjugated
Conjugation Note	Read at 450 nm.
Sensitivity	31 μ M
Sample Type	Serum, Plasma, Urine, Cell lysate and Tissue lysate
Standard Range	0.031 - 2 mM
Sample Volume	50 μ L

Application Instructions

Assay Time	~30 min
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Properties

Form	Liquid
Storage instruction	Store components at -80°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Ketone bodies are water-soluble molecules or compounds that contain the ketone groups produced from fatty acids by the liver (ketogenesis). Ketone bodies are readily transported into tissues outside the liver, where they are converted into acetyl-CoA (acetyl-Coenzyme A)—which then enters the citric acid cycle (Krebs cycle) and is oxidized for energy. These liver-derived ketone groups include acetoacetic acid (acetoacetate), beta-hydroxybutyrate, and acetone, a spontaneous breakdown product of acetoacetate (see graphic).
Research Area	Antidepressants, Histone deacetylase inhibitors, Metabolism