

ARG83425 Coenzyme Q10 Assay Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83425 Coenzyme Q10 Assay Kit can be used to measure Coenzyme Q10 in serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids.
Tested Reactivity	Other
Tested Application	FuncSt
Target Name	Coenzyme Q10
Conjugation Note	Read at 620 nm
Sensitivity	0.05 µmol/ml
Sample Type	Serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids.
Standard Range	0.078 µmol/ml - 5 µmol/ml
Sample Volume	40 µl
Alternate Names	CoQ10; ubiquinone

Application Instructions

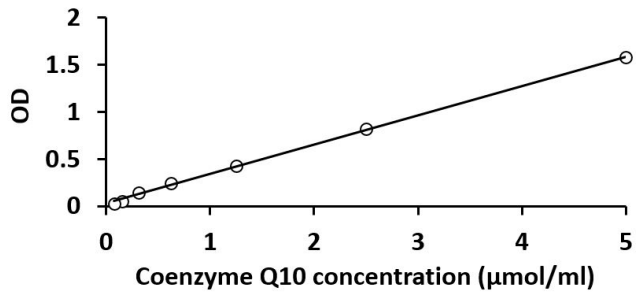
Assay Time	30 min
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. 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	Coenzyme Q10 also known as ubiquinone, is a naturally occurring biochemical cofactor (coenzyme) and an antioxidant produced by the human body, but it can also be obtained from dietary sources such as meat, fish, and some vegetables. CoQ10 is also found in many organisms including animals and bacteria. CoQ10 plays a role in mitochondrial oxidative phosphorylation, aiding in the production of adenosine triphosphate (ATP), which is involved in energy transfer within cells. The structure of CoQ10 consists of a benzoquinone moiety and an isoprenoid side chain, with the "10" referring to the number of isoprenyl chemical subunits in its tail.
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ARG83425 Coenzyme Q10 Assay Kit standard curve image

ARG83425 Coenzyme Q10 Assay Kit results of a typical standard run with optical density reading at 620 nm.