

ARG82148 Copper Assay Kit (Colorimetric)

Package: 250 tests
Store at: 4°C

Summary

Product Description	ARG82148 Copper Assay Kit (Colorimetric) is a detection kit for the quantification of Copper in Biological, environmental, food and beverage.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	Copper
Conjugation Note	Read at 359 nm
Sensitivity	7 µg/dL (1.0 µM)
Detection Range	7 µg/dL (1.0 µM) - 300 µg/dL (47 µM)
Sample Type	Biological, environmental, food and beverage
Sample Volume	100 µl

Application Instructions

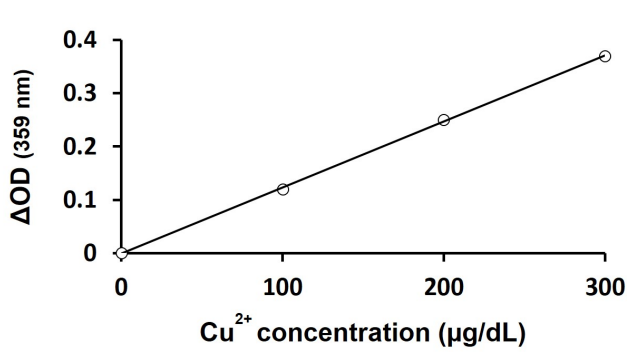
Application Note	Please note that this kit does not include a microplate.
Assay Time	10 min

Properties

Form	Liquid
Storage instruction	Store the kit at 2-8°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	Copper is a trace element in the body. It is important to the function of many enzymes including cytochrome c oxidase, monoamine oxidase and superoxide dismutase.
Function	Copper is found primarily in the bloodstream, as a cofactor in various enzymes, and in copper-based pigments. In the body, copper shifts between the cuprous (Cu ¹⁺) and cupric (Cu ²⁺) forms, though the majority of the body's copper is in the Cu ²⁺ form. The ability of copper to easily accept and donate electrons explains its important role in oxidation-reduction (redox) reactions and in scavenging free radicals.



ARG82148 Copper Assay Kit (Colorimetric) typical data demonstration image

ARG82148 Copper Assay Kit (Colorimetric) results of a typical data with optical density reading at 359 nm.