

ARG81311 Hydroxyproline Assay Kit

Package: 96 assay
Store at: 4°C

Component

Cat. No.	Component Name	Package
ARG81311-1	Standard	100 µl
ARG81311-2	Assay Buffer	12 ml
ARG81311-3	Chloramine T Reagent	600 µl
ARG81311-4	Ehrlich's reagent concentrate (2X)	5 ml
ARG81311-5	Ehrlich's Diluent	5 ml

Summary

Product Description	ARG81311 Hydroxyproline Assay Kit is a detection kit for the quantification of Hydroxyproline in serum, plasma, urine and cell / tissue lysates.
Tested Reactivity	Hu, Ms, Rat, Mamm
Tested Application	FuncSt
Target Name	Hydroxyproline
Conjugation Note	Read at 540 - 560 nm.
Sensitivity	6.25 µg/ml
Sample Type	Serum, plasma, urine and cell / tissue lysates.
Standard Range	6.25 - 100 µg/ml
Sample Volume	10 µl
Alternate Names	L-hydroxyproline; Hyp; 4-Hydroxyproline

Application Instructions

Assay Time	~ 3 hours
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Properties

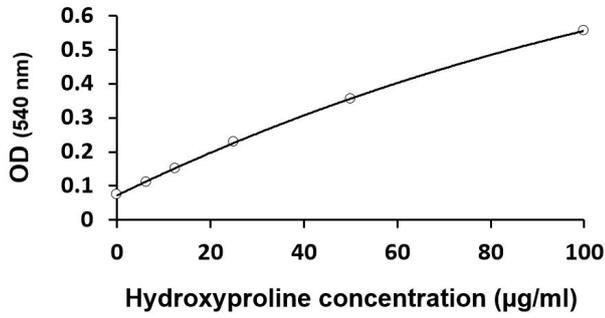
Form	Liquid
Storage instruction	Store the kit at 2-8°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background

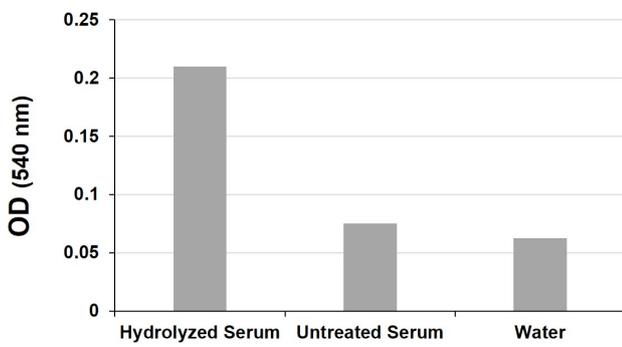
Hydroxyproline is produced by hydroxylation of the amino acid proline by the enzyme prolyl hydroxylase following protein synthesis (as a post-translational modification). The enzyme catalyzed reaction takes place in the lumen of the endoplasmic reticulum. [Wikipedia]

Images



ARG81311 Hydroxyproline Assay Kit standard curve image

ARG81311 Hydroxyproline Assay Kit results of a typical standard run with optical density reading at 540 nm.



ARG81311 Hydroxyproline Assay Kit sample detection image

Hydrolyzed serum, untreated serum and water samples tested with ARG81311 Hydroxyproline Assay Kit (OD reading at 540 nm).