

ARG83373 Inosine Assay Kit

Package: 100 assay
Store at: -20°C

Summary

Product Description	ARG83373 Inosine Assay Kit is an Assay kit for the quantification of Inosine in Serum, Plasma ,Urine, Cell culture supernatant and Tissue lysates
Tested Reactivity	All
Tested Application	FuncSt
Target Name	Inosine
Conjugation	Un-conjugated
Conjugation Note	Read at 590 nm.
Sensitivity	300 nM
Sample Type	Serum, Plasma ,Urine, Cell culture supernatants and Tissue lysates
Standard Range	0.313 - 20 µM
Sample Volume	50 µL

Application Instructions

Assay Time	~30 min
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Properties

Form	Liquid
Storage instruction	Store components at -20°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	Inosine is a nucleoside that is formed when hypoxanthine is attached to a ribose ring (also known as a ribofuranose) via a β-N9-glycosidic bond. It was discovered in 1965 in analysis of RNA transferase.[1] Inosine is commonly found in tRNAs and is essential for proper translation of the genetic code in wobble base pairs.
Function	When designing primers for polymerase chain reaction, inosine is useful in that it can pair with any natural base. This allows for design of primers that span a single-nucleotide polymorphism, without the polymorphism disrupting the primer's annealing efficiency.
Research Area	Nucleosides, Purines, Antiviral drugs, Hydroxymethyl compounds, Ophthalmology drugs