

## ARG83369 Taurine Assay Kit

Package: 200 assay  
Store at: 4°C, -20°C

### Summary

Product Description	ARG83369 Taurine Assay Kit is an Assay kit for the quantification of Taurine in plasma, serum, urine, cell lysate and tissue lysate
Tested Reactivity	All
Tested Application	FuncSt
Target Name	Taurine
Conjugation	Un-conjugated
Conjugation Note	Read at 410 nm.
Sensitivity	15.6 µM
Sample Type	Plasma, Serum, Urine, Cell lysate and Tissue lysate
Standard Range	15.6 - 1000 µM
Sample Volume	50 µL

### Application Instructions

Assay Time	~1 hour
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### Properties

Form	Liquid
Storage instruction	Store components at 4°C and -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	Taurine is a non-proteinogenic amino sulfonic acid that is widely distributed in animal tissues. It is a major constituent of bile and can be found in the large intestine, and accounts for up to 0.1% of total human body weight.
Function	Taurine is naturally derived from cysteine. Mammalian taurine synthesis occurs in the pancreas via the cysteine sulfinic acid pathway. In this pathway, cysteine is first oxidized to its sulfinic acid, catalyzed by the enzyme cysteine dioxygenase. Cysteine sulfinic acid, in turn, is decarboxylated by sulfinoalanine decarboxylase to form hypotaurine. Hypotaurine is enzymatically oxidized to yield taurine by hypotaurine dehydrogenase.
Research Area	Glycine receptor agonists, Inhibitory amino acids