



Adenosine Deaminase (ADA) Activity Assay Kit

Cat No: HR3BC1293

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader (550 nm)
Assay Time	40 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	serum, plasma, animal tissue
Synonyms	ADA
Instrument	Microplate reader (550 nm)
Detection Principle	Adenosine deaminase (ADA) can hydrolyzed the substrate adenosine to form hypoxanthine riboside, which is hydrolyzed by purine riboside phosphatase to produce hypoxanthine and phosphate ribose. Under the action of xanthine oxidase, hypoxanthine produces hydrogen peroxide, which produces red substance under the action of peroxidase, 4-aminotepyrine and color source. The red substance has the maximum absorption peak at 550 nm and the changes of absorbance is proportional to the activity of ADA.
Reagents	Normal saline (0.9% NaCl)
Labware	Micropipette, Centrifuge, Water bath/Incubator
Size	96T
Sensitivity	0.03 U/L
Detection Range	0.03-99 U/L
Recovery Rate	98