

## ADA Assay Kit

Catalogue No.: abx098403

ADA Assay Kit is an Assay Kit by Enzymatic Method.

Based on the bottle type, product model can be classified into Hitachi 7170, Hitachi 7060, Hitachi 7020, Beckman, Toshiba, Mindray, DuPont, Innova, Siemens, KHB, Abbott, Universal types, etc.

This reagent is intended for the in vitro quantitative determination of ADA in human serum. Mainly used for monitoring and diagnosis of liver diseases.

Deamination of adenosine by the enzyme ADA (ADA) produces inosine, then coupled by the action of purine nucleoside phosphorylase (PNP) to generate hypoxanthine. Uric Acid and hydrogen peroxide formed from hypoxanthine under Oxidation of xanthine oxidase (XOD). Finally, peroxidase (POD) catalyzes the reaction among H<sub>2</sub>O<sub>2</sub>, 4-aminoantipyrine (4-AAP) and N-Ethyl-N-(2-hydroxy-3-sulfoethyl)-3-methylaniline (EHSPT) to form Fuchsia colored quinones. The ADA activity can be calculated by measuring the increase rate of colored quinones absorbance at 550nm wavelength.

<b>R1: Detection Reagent 1</b>	<b>R2: Detection Reagent 2</b>
Tris buffer PH 7.5 → 50mmol/L	Tris buffer PH 7.5 → 50mmol/L
4-AAP → > 3.0mmol/L	Adenosine → 20mmol/L
POD → 0.7KU/L	Sodium 3-(N-ethyl-3-methylanilino)
XOD → 0.3KU/L	-2-hydroxypropanesulfonate → 2.0mmol/L
PNP → 0.15KU/L	