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5'-Nucleotidase Assay Kit

Catalogue No.: abx098400

5'-Nucleotidase Assay Kit is an Assay Kit by Enzymatic Colorimetric 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 product is used to determine 5'-Nucleotidase activity in human serum.

The kit is based on continuous monitoring assay use the 5'-Nucleotidase coupling purine nucleoside phosphorylase (PNP), xanthine oxidase (XOD) and peroxidase (POD). 5'-nucleotidase hydrolyze inosine acid to generate inosine, then coupled by the action of PNP to generate hypoxanthine. Uric Acid and hydrogen peroxide formed from hypoxanthine under Oxidation of XOD. Finally, Fuchsia colored quinone was produced under POD effect by the Trinder reaction. The 5'-nucleotidase activity can be calculated by measuring the increase rate of colored quinone absorbance at 550nm wavelength.

R1: Detection Reagent 1	R2: Detection Reagent 2
Glycine Buffer → 6g/L	5'-hypoxanthine nucleotide → 3.482g /L
Purine nucleoside phosphorylase → > 0.5KU/L	4-Aminoantipyrene → 0.406g /L
Xanthine oxidase → □0.8KU/LL	
Peroxidase → □0.6KU/L	
TOPS → 0.5g/L	