

# Alanine Transaminase Assay Kit

**Cat. No.** Kit-0082    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Detection and Quantification of Alanine Transaminase Activity.

**Description**      Alanine Transaminase (ALT), also known as serum alanine aminotransferase (ALAT) or pyruvic transaminase (sGPT), facilitates the conversion of alanine and  $\alpha$ -ketoglutarate to pyruvate and glutamate. ALT plays an important role in gluconeogenesis and amino acid metabolism. ALT is found mainly in the liver, and, to a lesser extent, in kidney, heart, muscle, and pancreas tissues. Normal serum levels of ALT are low, and increased serum ALT activity is widely used as a marker for liver damage.

**Applications**      Functional Assay

**Storage**      Shipped and store at 4°C for 6 months.

**Kit Components**      Component-Volume-Storage 1. 96-Well Microplate; 2. Extract: 30 ml x 1, 4°C; 3. Reagent I: 5 ml x 1, 4°C; 4. Reagent II: 7.5 ml x 1, 4°C; 5. Reagent III: 25 ml x 1, 4°C; 6. Technical Manual: 1 Manual

**Detection method**      Colorimetric

**Compatible Sample Types**      Cell culture supernatant; Urine; Serum; Plasma; Other biological fluids; Tissue Extracts; Cell culture media

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