

## Alanine Transaminase Assay Kit

### Product Information

#### **Cat**

Kit-2486

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Kit-2486

### Product Overview

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. Simple, direct and automation-ready procedures for measuring ALT activity find wide applications in research and drug discovery. ALT activity assay is based on the quantification of pyruvate produced by ALT. In this assay, pyruvate and NADH are converted to lactate and NAD by the enzyme lactate dehydrogenase (LDH). The decrease in NADH absorbance at 340 nm is proportional to ALT activity.

#### **Storage**

-20°C

#### **Shipping**

On Ice

#### **Size**

100 tests

**Detection method** OD340nm

#### **Compatible Sample Types**

Serum, plasma etc

#### **Features & Benefits**

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## Alanine Transaminase Assay Kit

Sensitive. Linear detection range: 2-100 U/L.

Simple and convenient. This simple, convenient assay can be carried out in a microplate or a cuvette and takes only 10 min.

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**Assay time**

10 min

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**Sensitivity**

2 U/L

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