



Detection Kit for Alanine Aminotransferase

(Alanine Substrate Method)



Wide
linear range



Stable
performance



Strong
anti-interference



Testing Conditions

Primary Wavelength	Secondary Wavelength	Analysis method	Reaction direction	Reaction temperature
340 nm	410 nm	Rate A Method	Decrease	37°C

Intended Use

Used for quantitative determination of alanine aminotransferase (ALT) activity in human serum in vitro.

ALT is primarily found in the liver, with lower concentrations in other organs such as the heart, kidneys, skeletal muscles, pancreas, spleen, and lungs. Elevated levels of ALT can indicate liver-related conditions, including liver cirrhosis, viral or toxic hepatitis, and obstructive jaundice. Additionally, widespread tissue damage, muscle disorders, shock, hypoxia-induced circulatory failure, myocardial infarction, and hemolytic diseases can also cause increased ALT activity. The common detection methods are: Lai's method, dry chemical method, pyruvate oxidase method and rate method.

Performance Indicators

1. The linear range: 5-600U/L.
2. Accuracy: The relative deviation is within $\pm 10\%$.
3. Measurement precision: Repeatability $CV \leq 5\%$. Inter-batch differences $R \leq 10\%$.

Order Information

Product	Detect Method	Suggested Specification	Storage	Validity
Detection Kit for Alanine Aminotransferase	Alanine Substrate Method	R1 40mL×2 R2 20mL×1	2~8°C	24 months, 15 days after opened

Applicable Instrument



HTSH-2000



HTSH-4000



HTSH-8000