



Detection Kit for Alkaline Phosphatase

(NPP Substrate-AMP Buffer Method)



Wide
linear range



Stable
performance



Strong
anti-interference



Testing Conditions

Primary Wavelength	Secondary Wavelength	Analysis method	Reaction direction	Reaction temperature
405 nm	520 nm	Rate A Method	Increase	37°C

Intended Use

Used for the quantitative detection of Alkaline phosphatase (ALP) in human serum in vitro.

Elevated ALP is commonly seen in bone or liver diseases, including bile ducts. Elevated ALP (usually with normal γ -glutamyl transferase levels) is often associated with osteomalacia, rickets, primary hyperparathyroidism related to bones, and Paget's disease of bone. Elevated ALP (usually with elevated γ -glutamyl transferase levels) is often seen in cholestasis, hepatitis, and liver cirrhosis. Decreased ALP can be observed in conditions where bone growth has stopped or in hypophosphatasia. Common testing methods include enzymatic methods, King's method, and NPP substrate-AMP buffer method, among others.

Performance Indicators

1. The linear range: 0-750U/L.
2. Accuracy:
 - 1) The relative deviation is within $\pm 10\%$.
 - 2) The correlation coefficient $r^2 \geq 0.95$. The deviation should not exceed $\pm 10\text{U/L}$ in the range of (0,100]U/L, the deviation should not exceed $\pm 10\%$ in the range of (100,750]U/L.
3. Measurement precision: Repeatability $CV \leq 3\%$, Inter-batch differences $R \leq 5\%$.

Order Information

Product	Detect Method	Suggested Specification	Storage	Validity
Detection Kit for Alkaline Phosphatase	NPP Substrate-AMP Buffer Method	R1 40mL×2 R2 20mL×1	2~8°C	24 months, 15 days after opened

Applicable Instrument



HTSH-2000



HTSH-4000



HTSH-8000