

CALKINE ALKALINE PHOSPHATASE KIT (DEA)

pNPP Kinetic Method

Intended Use: _____

Alkaline Phosphatase (ALP) is an enzyme of the Hydrolase class of enzymes and acts in an alkaline medium. It is found in high concentrations in liver, biliary tract epithelium and in the bones. Normal levels are age dependent and increase during bone development. Increased levels are associated mainly with liver and bone disease. Moderate increases are seen in Hodgkin's disease and congestive heart failure. Calkine Alkaline Phosphatase kit (DEA) uses the pNPP Kinetic method to determine Alkaline Phosphatase in serum.

Calkine Alkaline Phosphatase Kit components:

L1	Buffer Reagent
T1	Substrate Reagent
C	Bovine Serum Control

System Parameters

Reaction: Kinetic	Interval: 30 sec
Wavelength: 405nm	Sample Vol.: 0.02 ml
Zero Setting: Distilled water	Reagent Vol.: 1.00 ml
Incub. Temp: 30°C/37°C	Standard: -
Incub. Time: -	Factor: 2754
Delay Time: 30 sec	React. Slope: Increasing
Read Time: 120 sec	Linearity: 700 U/L
No. of Read: 4	Units: U/L

Storage / Stability	Temperature	Duration
Unopened Kit	2 – 8°C	18 Months
Opened Kit (Unmixed)	2 – 8°C	18 Months
In use stability (Working reagent)	2 – 8°C	15 Days
Reconstituted Control	2 – 8°C	3 Days

Available Pack Sizes
5 X 15 ml