

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 the liver, biliary tract epithelium and in bones. Normal levels are age dependent and increase during bone development. Increased levels are associated mainly with liver and bone diseases. Moderate increases are seen in Hodgkins diseases and congestive heart failure. Alkaline Phosphatase kit (DEA) uses pNPP kinetic method to determine alkaline phosphatase activity in serum.

Alkaline Phosphatase Kit components:

| | |
|-------------------|-------------------|
| L1 | Buffer Reagent |
| T1 | Substrate Reagent |
| Other Accessories | Package Insert |

System Parameters

| | | | |
|---------------------|-------------------|----------------------|--------------|
| Reaction | : Kinetic | Interval | : 30 |
| Wavelength | : 405 nm | Sample Vol. | : 0.02 ml |
| Zero Setting | : Distilled water | Reagent Vol . | : 1.00 ml |
| Incub. Temp | : 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 |
| In use stability | 2-8°C | 18 Months |
| Working reagent stability | 2-8°C | 15 Days |

| Available Pack Sizes | |
|----------------------|-----------|
| 10 X 3 ml | 5 X 15 ml |
| 20 X 15 ml | |

| | |
|--------------------------|------------------------------|
| Suggested control | Calkine Alkaline Phosphatase |
|--------------------------|------------------------------|