



Alkaline Phosphatase-SL (ALP-SL)

FOR THE QUANTITATIVE MEASUREMENT OF ALKALINE PHOSPHATASE

METHOD: ENZYMATIC (MODIFIED IFCC); KINETIC

ALP measurements are used as an aid to monitor and diagnose liver disease and bone disorders. The SEKISUI ALP-SL method is based on a modification of the International Federation of Clinical Chemistry (IFCC) procedure. It is intended for the quantitative measurement of alkaline phosphatase in serum.⁽¹⁾

Features

- Two part, stable liquid
- Wide linear range
- No significant interference displayed from samples with elevated levels of icterus or lipemia
- Applicable to multiple chemistry platforms

Benefits

- Easy to use
- Reduces repeat testing and the need for sample dilutions
- High reliability of testing
- Flexible laboratory testing

Performance Characteristics

Precision

- Within-Run: $\leq 2.4\%$
- Total Precision: $\leq 4.6\%$

Accuracy^(a)

- Slope: 1.0276
- Intercept: -1.0 U/L
- Correlation Coefficient: 1.0000

Linearity

- 4 - 2000 U/L

(a) The performance of this method (y) was compared with the performance of a similar alkaline phosphatase method (x) on a Roche/Hitachi® 717 analyzer.

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 200 mg/dL (31 $\mu\text{mol/L}$)
- Bilirubin: 40 mg/dL (684 $\mu\text{mol/L}$)
- Ascorbic Acid: 1200 $\mu\text{g/dL}$ (68 $\mu\text{mol/L}$)
- Intralipid: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides)

Reference Range⁽²⁾

- Less than 103 U/L (30°C)
- Less than 138 U/L (37°C)

(1) Tietz, N.W., Rinker, A.D.U., Shaw, L.M. IFCC Methods for the Measurement of Catalytic Concentration of Enzymes. Part 5. IFCC Method for Alkaline Phosphatase. J. Clin. Chem. Biochem. 21, 371-478 (1983).

(2) Pesce, A.J., Kaplan, L.A., Methods In Clinical Chemistry, Toronto, C.V. Mosby Co., 1078 (1987).

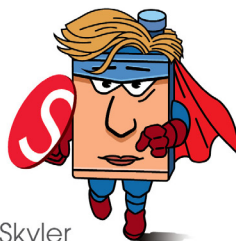
Alkaline Phosphatase-SL (ALP-SL)

Ordering Information		
	Configuration	Catalog Number
ALP-SL	R1 3 x 100mL R2 1 x 75mL	328-30
DC-CAL CALIBRATOR	5 x 3mL	SE-035
DC-TROL LEVELS 1 AND 2	Level 1: 5 x 5mL Level 2: 5 x 5mL	SM-057

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