

# Alanine Aminotransferase-SL (ALT-SL)

FOR THE QUANTITATIVE MEASUREMENT OF ALT

**METHOD: ENZYMATIC (MODIFIED IFCC); KINETIC**

ALT measurements are used as an aid to monitor and diagnose liver diseases.

The Sekisui ALT-SL assay incorporates optimized substrate concentrations with a tris buffer. It is intended for the measurement of ALT in serum.

## Features:

- Two part, stable liquid
- Wide variety of chemistry analyzer applications are available

## Benefits:

- Easy to use, no additional reagent preparation required
- Flexible testing, well suited for use with fully automated procedures

## Performance Characteristics

### Precision

- Within-Run:  $\leq 2.4\%$
- Total Precision:  $\leq 3.6\%$

### Accuracy<sup>(a)</sup>

- Slope: 1.06
- Intercept: -2.8 U/L
- Correlation Coefficient: 0.9945

### Linearity

- 10 - 600 U/L

### No Significant Interferences Up to Levels Indicated

- Bilirubin: 40 mg/dL (684  $\mu\text{mol/L}$ )
- Intralipid: 400 mg/dL (1200 mg/dL (13.6 mmol/L) Simulated Triglycerides)

### Reference Range<sup>(1)</sup>

- Newborn: 7-40 U/L (37°C)
- Adult: 10-35 U/L (37°C)

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

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## Ordering information

	Configuration	Catalog Number
<b>ALT-SL</b>	R1 3 x 100mL R2 1 x 75mL	318-30
<b>DC-Cal Calibrator</b>	5 x 3mL	SE-035
<b>DC-Trol Level 1</b>	10 x 5mL	SM-052
<b>DC-Trol Level 2</b>	10 x 5mL	SM-056

(1) Burtis, C.A., Ashwood, E.R. (Ed.), *Tietz Textbook of Clinical Chemistry*, W.B. Saunders Co., Toronto, p. 790-791, 797 (1994).



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