

Salicylate-SL

FOR THE QUANTITATIVE MEASUREMENT OF SALICYLATE

METHOD: ENZYMATIC (SALICYLATE HYDROXYLASE); ENDPOINT

Salicylate measurements are used as an aid to monitor and diagnose salicylate overdose.

Sekisui's Salicylate-SL assay uses an enzymatic method that is a rapid, specific and simplified method for the measurement of salicylate in serum or plasma.

Features:

- Two part stable liquid ready to use reagent
- A single vial salicylate calibrator is included
- Serum and lithium heparinized plasma acceptable
- Applicable to multiple chemistry platforms

Benefits:

- Easy to use, no additional reagent preparation required
- Convenient and cost effective
- Flexible sample types to meet different laboratory needs
- Laboratory flexibility

Performance Characteristics

Precision

- Within-Run: $\leq 4.8\%$
- Total Precision: $\leq 7.2\%$

Accuracy^(a)

SERUM

- Slope: 1.02
- Intercept: -0.4 mg/dL (-0.03 mmol/L)
- Correlation Coefficient: 0.9986

PLASMA

- Slope: 1.01
- Intercept: -0.7 mg/dL (-0.05 mmol/L)
- Correlation Coefficient: 0.9972

(a) SERUM: The performance of this method (y) was compared with the performance of a similar salicylate method (x) on a Roche/Hitachi® 717 analyzer.
PLASMA: The performance of this method (y) with plasma was compared with the performance of this method (x) with serum on a Roche/Hitachi® 717 analyzer.

Linearity

- 5.3 - 100.0 mg/dL (0.38 - 7.24 mmol/L)

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 400 mg/dL (62 $\mu\text{mol/L}$)
- Bilirubin: 40 mg/dL (684 $\mu\text{mol/L}$)
- Intralipid: 800 mg/dL (2400 mg/dL (27.1 mmol/L) Simulated Triglycerides)

Reference Range⁽¹⁾

- Toxic Concentration: >30.0 mg/dL (>2.17 mmol/L)

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Ordering information

	Configuration	Catalog Number
SALICYLATE-SL	4 x 10mL ENZYME REAGENT 4 x 10mL NADH REAGENT 1 x 5mL CALIBRATOR	511-40

(1) Kaplan, A., Szabo, L.L., Clinical Chemistry: Interpretation and Techniques, Lea and Febiger, (1983), Philadelphia, p. 390.



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