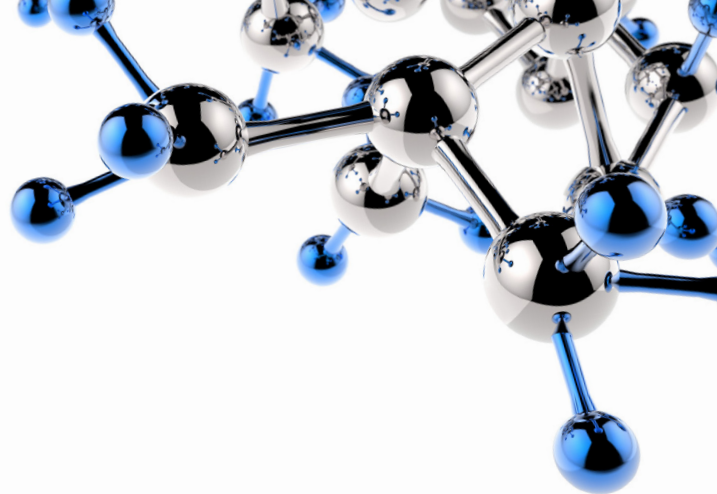




# CLINICAL CHEMISTRY



## Acetaminophen L3K<sup>®</sup>

### FOR THE QUANTITATIVE MEASUREMENT OF ACETAMINOPHEN

#### METHOD: ENZYMATIC (ACYL AMIDOHYDROLASE); ENDPOINT

Acetaminophen (paracetamol) measurements are used in the diagnosis and treatment of acetaminophen overdose toxicity.

SEKISUI'S Acetaminophen L3K<sup>®</sup> assay uses a spectrophotometric method that is rapid, reliable, convenient and specific for acetaminophen. It is intended for use with serum and plasma.

#### Features

- Two part stable liquid
- A single level liquid acetaminophen calibrator is included in the kit
- Reduced NAC interference
- Suitable for use with serum and lithium heparin plasma

#### Benefits

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

#### Performance Characteristics

##### Precision

- Within-Run:  $\leq 1.5\%$
- Total Precision:  $\leq 2.9\%$

##### Accuracy

###### SERUM(a)

- Slope: 1.064
- Intercept: 1.1  $\mu\text{g/mL}$  (7.0  $\mu\text{mol/L}$ )
- Correlation Coefficient: 0.9998

###### PLASMA(b)

- Slope: 0.999
- Intercept: -0.3  $\mu\text{g/mL}$  (-2.2  $\mu\text{mol/L}$ )
- Correlation Coefficient: 0.9999

##### Linearity

- 0.6-377.5  $\mu\text{g/mL}$  (4-2500  $\mu\text{mol/L}$ )

(a) The performance of this method (y) was compared with the performance with a similar acetaminophen method (x) on a Roche/Hitachi<sup>®</sup> 717 analyzer.

(b) The performance of this method with plasma (y) was compared with the performance of this method with serum (x) on a Roche/Hitachi<sup>®</sup> 717 analyzer.

##### No Significant Interferences Up to Levels Indicated

- Hemoglobin: 200 mg/dL (31  $\mu\text{mol/L}$ )
- Conjugated Bilirubin: 2 mg/dL (23.7  $\mu\text{mol/L}$ )
- Unconjugated Bilirubin: 2 mg/dL (34.2  $\mu\text{mol/L}$ )
- Ascorbic Acid: 3000  $\mu\text{g/dL}$  (170  $\mu\text{mol/L}$ )
- N-Acetylcysteine: 1500 mg/L (9.2 mmol/L)
- Intralipid: 200 mg/dL (600 mg/dL (6.8 mmol/L) Simulated Triglycerides)

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

- Therapeutic Concentration: 10-30  $\mu\text{g/mL}$  (66-199  $\mu\text{mol/L}$ )
- Toxic Concentration: >200  $\mu\text{g/mL}$  (1324  $\mu\text{mol/L}$ )

(1) Burtis, C.A. and Ashwood, E.R., Eds, *Tietz Textbook of Clinical Chemistry, Second Edition*, pp 1168, 2212, W.B. Saunders Company, Philadelphia (1994).

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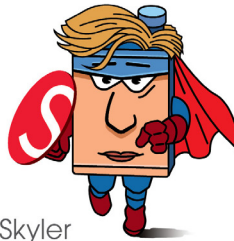
## Ordering Information

	Configuration	Catalog Number
ACETAMINOPHEN L3K®	R1 3 x 10 mL R2 6 x 10 mL 1 x 5 mL (Calibrator)	506-30

To learn more about our clinical chemistry reagent products scan the QR code or go to [Clinical Chemistry Reagents – SEKISUI Diagnostics](#).



Sam



Skyler



Suzy

Securing accurate and reliable Clinical Chemistry results!



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