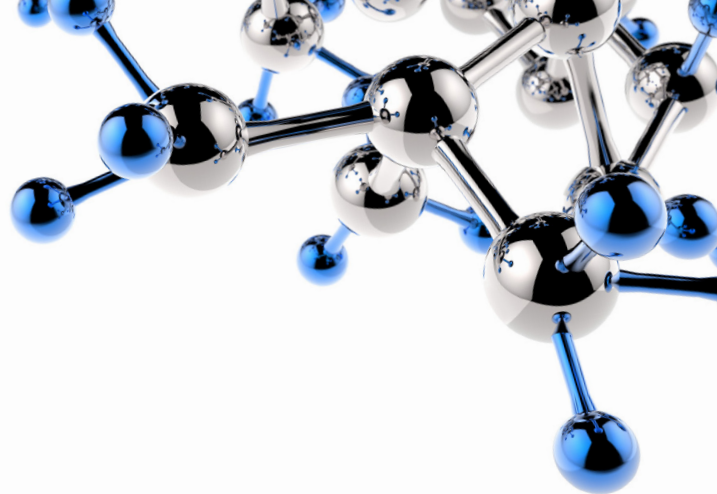




# CLINICAL CHEMISTRY



## Ammonia L3K<sup>®</sup>

### FOR THE QUANTITATIVE MEASUREMENT OF AMMONIA

**METHOD: ENZYMATIC (GLUTAMATE DEHYDROGENASE); ENDPOINT**

Ammonia measurements are used in the diagnosis of coma, Reyes Syndrome and liver disease.

The SEKISUI Ammonia L3K<sup>®</sup> assay uses a spectrophotometric method utilizing glutamate dehydrogenase. It is a convenient method that is intended for the measurement of ammonia in plasma.

#### Features

- One part, stable liquid
- No significant interference displayed from ascorbic acid or bilirubin
- Applicable to multiple chemistry platforms

#### Benefits

- Easy to use, no additional preparation required
- Reduces the need for repeat testing and sample dilutions
- Laboratory flexibility

#### Performance Characteristics

##### Precision

- Within-Run:  $\leq 3.7\%$
- Total Precision:  $\leq 3.7\%$

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

- Slope: 0.997
- Intercept: 0.15  $\mu\text{g/mL}$  (8.8  $\mu\text{mol/L}$ )
- Correlation Coefficient: 0.9997

##### Linearity

- 0.15 - 20.00  $\mu\text{g/mL}$  (8.8 - 1174.2  $\mu\text{mol/L}$ )

(a) The performance of this method (y) tested on an ADVIA<sup>®</sup> 1650 was compared with the performance of another commercially available ammonia method (x) tested on a Roche/Hitachi<sup>®</sup> 911.

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

- Conjugated bilirubin: 40 mg/dL (474  $\mu\text{mol/L}$ )
- Unconjugated Bilirubin: 40 mg/dL (684  $\mu\text{mol/L}$ )
- Ascorbic Acid: 3000  $\mu\text{g/dL}$  (170  $\mu\text{mol/L}$ )
- Plasma Pyruvate: 6.6 mg/dL (0.75 mmol/L)
- Plasma Lactate: 200 mg/dL (22.2 mmol/L)

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

- 0.20 - 0.80  $\mu\text{g/mL}$  (12 - 47  $\mu\text{mol/L}$ )

(1) Ratcliff, C.R., and Hall, F.F., Selected Methods of Clinical Chemistry 9:85, Edited by Willard R. Faulkner and Samuel Meites, American Association for Clinical Chemistry, Washington, D.C. (1982).

# Ammonia L3K®

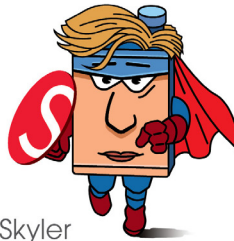
## Ordering Information

	Configuration	Catalog Number
AMMONIA LK3®	R1 2 x 20mL (Reagent) 1 x 15mL (Calibrator)	293-10

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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