



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

METHOD: ENZYMATIC (GLUTAMATE DEHYDROGENASE); ENDPOINT

FEATURES:

FOR THE QUANTITATIVE MEASUREMENT OF AMMONIA

Ammonia L3K[®]

The Sekisui Ammonia L3K[®] assay uses a spectrophotometric method utilizing glutamate dehydrogenase. It is a convenient method that is intended for the measurement of ammonia in plasma.

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

BENEFITS:

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

ORDERING INFORMATION

CONFIGURATION

CATALOG NUMBER

○ AMMONIA L3K[®]

R1 2 X 20 mL
REAGENT
1 X 15 mL
CALIBRATOR

293-10



THE AMERICAS
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PERFORMANCE CHARACTERISTICS**PRECISION**

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

ACCURACY

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

Slope: 0.997
 Intercept: 0.15 µg/mL (8.8 µmol/L)
 Correlation Coefficient: 0.9997

LINEARITY

0.15 - 20.00 µg/mL (8.8 - 1174.2 µmol/L)

**NO SIGNIFICANT INTERFERENCES
UP TO LEVELS INDICATED**

Conjugated Bilirubin: 40 mg/dL (684 µmol/L)
 Unconjugated Bilirubin: 40 mg/dL (684 µmol/L)
 Ascorbic Acid: 3000 µg/dL (170 µmol/L)
 Plasma Pyruvate: 6.6 mg/dL (0.75 mmol/L)
 Plasma Lactate: 200 mg/dL (22.2 mmol/L)
 Intralipid: 200 mg/dL (600 mg/dL (6.8 mmol/L)
 Simulated Triglycerides)

REFERENCE RANGE⁽¹⁾

0.20 - 0.80 µg/mL (12 - 47 µmol/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).

NOTES:



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