

LAB

Ammonia Ultra

Liquid Mono-reagent

SENTINEL
D I A G N O S T I C S

Ammonia Ultra

Mono-reagent method for the enzymatic determination of Ammonia in human plasma samples.

Features and Advantages

- Less manual steps, liquid ready to use mono-reagent
- Easily adaptable to most common automated analyzers
- Calibrator included in the kit
- Sensitivity: 25 µg/dL
- Linearity up to 1700 µg/dL
- New patented analytic system allows for the continuous regeneration of NADH involved in the reaction, whereas the presence of LDH in the reagent means that any interference from endogenous pyruvate is eliminated
- Reagents filled in Universal Vials suitable for AU series, ADVIA series, Roche Modular, Hitachi 917, Dirui series, Mindray BS-800

Method

Ammonia, in the presence of glutamate dehydrogenase (GLDH), combines with α -ketoglutarate and NADH to yield glutamate and NAD⁺. The decrease in absorbance (NADH to NAD⁺) at 340 nm is proportional to the ammonia concentration in the examined plasma. The reagent contains lactate dehydrogenase (LDH) in excess, to rapidly reduce endogenous pyruvate so that it does not interfere with the assay system.

Measurement Precision

Intra-Assay Precision		
Levels	Average (µg/dL)	CV%
L1	62.30	4.94
L2	262.90	4.04
L3	366.75	2.03
Inter-Assay Precision		
Levels	Average (µg/dL)	CV%
L1	57.20	8.35
L2	269.60	1.53
L3	368.63	2.04

Ref.	Description	Kit Size
17660	Ammonia Ultra	R1: 3x20 mL; STD: 1x5 mL
16635	Ammonia Controls (3 levels)	3x(1x5) mL

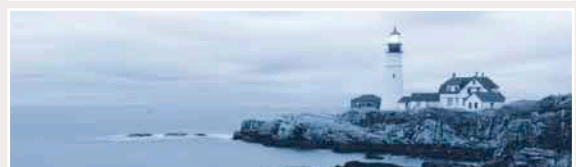


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