

Diagnostic Laboratory Services

Ammonia Blood

Test ID: LAB47

Explanation: On the effective date, the following methodology changes will be made to the Ammonia assay.

Current Methodology
Glutamate Dehydrogenase, Abbott Diagnostics

New Methodology
Glutamate Dehydrogenase, Roche Diagnostics

Current Methodology Interferences
<p>Conjugated Bilirubin: 33 mg/dL at an Ammonia level of 82.21 $\mu\text{mol/L}$, 39.6 mg/dL at an Ammonia level of 35.82 $\mu\text{mol/L}$.</p> <p>Unconjugated Bilirubin: 19.8 mg/dL at an Ammonia level of 71.05 $\mu\text{mol/L}$, 6.6 mg/dL at an Ammonia level of 36.41 $\mu\text{mol/L}$.</p> <p>Intralipid: 30 mg/dL at an Ammonia level of 73.4 $\mu\text{mol/L}$, 30 mg/dL at an Ammonia level of 36.99 $\mu\text{mol/L}$.</p> <p>Hemolysis: Hemolyzed samples should not be used as erythrocytes contain concentrations approximately 3 times that of plasma.</p>

New Methodology Interferences
<p>Unconjugated and Conjugated Bilirubin: No significant interference up to approximately 60 mg/dL.</p> <p>Intralipid: No significant interference up to an index of 700.</p> <p>Hemolysis: No significant interference up to an index of 100. However, contamination with lysed erythrocytes will increase results as the analyte concentrations in erythrocytes is higher than plasma.</p>

Current Specimen Requirements
EDTA Plasma (Lavender top) Delivered on Ice

New Specimen Requirements
EDTA Plasma (Lavender top) Delivered on Ice

Current Requested Volume
Specimen Volume: 2 mL Plasma Specimen Minimum Volume: 1 lavender top Pediatric Minimum Volume: 2 lavender top microtainers

New Requested Volume
Specimen Volume: 2 mL Plasma Specimen Minimum Volume: 1 lavender top Pediatric Minimum Volume: 2 lavender top microtainers

Current Specimen Stability		
Specimen	Temperature	Time
EDTA Plasma	20-25°C	1 Hour (on ice)
EDTA Plasma	2-8 °C	2 Hours (on ice)
EDTA Plasma	-20°C	3 Weeks

New Specimen Stability		
Specimen	Temperature	Time
EDTA Plasma	15-25°C	30 Minutes (on ice)
EDTA Plasma	2-8 °C	2 Hours (on ice)
EDTA Plasma	-20°C	3 Days

Current Days Performed
Daily

New Days Performed
Daily

Current Report Available
Daily

New Report Available
Daily

Questions: Please get in touch with VUMC Lab Customer Service at 615-875-5227 (5-LABS) or visit our website: www.labVU.com