

# Ammonia NH<sub>3</sub>

## General:

Ammonia arises from the cellular reduction of proteins, purines, amino acids, amines and due to bacterial protein metabolism in the intestine. At normal pH value of blood, less than 1% of ammonia is found in non-ionized form. Biotransformation to urea occurs in the liver via the urea cycle.

Indication: Diagnosis of liver coma, differential diagnosis of comatose states, convulsions, lethargy, encephalopathy in infants, differential diagnosis of metabolic disorders.

Material: 1 ml EDTA plasma, **Frozen**.

Preanalytics: blood collection in EDTA-monovette, mix intensively and centrifuge immediately, freeze down plasma and send frozen.

Stability: 15 min in EDTA blood at Room Temperature, 15 min in EDTA plasma at Room Temperature, 2 hrs. in plasma at 2 to 8 °C .

TAT: same day, FML

Method: enzymatic

Units: µmol/l

Ref.-range: male: 16-60, female: 11-51

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>