

Hippuric acid

General:

Hippuric acid (Gr. hippos, horse, ouron, urine) is a carboxylic acid found in the urine of horses and other herbivores. Hippuric acid crystallizes in rhombic prisms which are readily soluble in hot water, melt at 187°C and decompose at about 240°C. High concentrations of hippuric acid can also indicate a toluene intoxication. When many aromatic compounds such as benzoic acid and toluene are taken internally, they are converted to hippuric acid by reaction with the amino acid glycine.

Indication: Suspicion of intoxication with toluene, aromatic compounds

Material: 10 ml urine

Preanalytics: spontaneous urine

TAT: 7-10 days*

Method: HPLC

Units: mg/L

Ref.- range: see report

Note: Please note that hippuric acid can be found in fruits as well as products of intestinal bacterial metabolism. For industrial medicine testing we recommend to test for ortho cressol in urine.

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