SERVICE DELIVERABLES FOR URINE ANALYSIS

Research Use only

Name	Unit
Amino acids	
Alanine	mmol/l & ratio to creatinine
Glycine	mmol/l & ratio to creatinine
Threonine	mmol/l & ratio to creatinine
Tryptophan	mmol/l & ratio to creatinine
Branched-chain amino acids	
Leucine	mmol/l & ratio to creatinine
Valine	mmol/l & ratio to creatinine
Aromatic amino acids	
Tyrosine	mmol/l & ratio to creatinine
Dietary metabolites	
Ethanol	mmol/l & ratio to creatinine
HPHPA	mmol/l & ratio to creatinine
Xanthosine	mmol/l & ratio to creatinine
Fluid balance	
Creatinine	mmol/l
Glycolysis related metabolites	
Citrate	mmol/l & ratio to creatinine
cis-Aconitate	mmol/l & ratio to creatinine
Glucose	mmol/l & ratio to creatinine
Lactate	mmol/l & ratio to creatinine
Ketone Bodies	
Acetate	mmol/l & ratio to creatinine
Microbial metabolism	
Dimethylamine	mmol/l & ratio to creatinine
Trimethylamine N-oxide	mmol/l & ratio to creatinine
Nicotinate and nicotinamide metabolism	
1-Methylnicotinamide	mmol/l & ratio to creatinine
Trigonelline	mmol/l & ratio to creatinine
Phenylalanine metabolism	
Hippurate	mmol/l & ratio to creatinine
Pyrimidine metabolism	
3-Aminoisobutyrate	mmol/l & ratio to creatinine
Uracil	mmol/l & ratio to creatinine
Miscellaneous	
2-Hydroxyisobutyrate	mmol/l & ratio to creatinine
3-Hydroxyisobutyrate	mmol/l & ratio to creatinine
3-Hydroxyisovalerate	mmol/l & ratio to creatinine
4-Deoxyerythronic acid	mmol/l & ratio to creatinine
4-Deoxythreonate	mmol/l & ratio to creatinine
4-Hydroxyhippurate	mmol/l & ratio to creatinine
Formate	mmol/l & ratio to creatinine
Indoxyl Sulfate	mmol/l & ratio to creatinine
Pseudouridine	mmol/l & ratio to creatinine
Urea	mmol/l & ratio to creatinine

Nightingale may be unable to deliver part of the Service Deliverables for some of the Samples due to the fact that individual characteristics and environmental factors, such as lifestyle and diet have a strong impact on urine composition and some biomarkers may not be detectable for all the Samples.