

Provider: sample
Patient: sample
Accession #: 2000123456

Sex:
Age:
Sample Type: Dried Urine

Collected: 2019-10-31
Received: 2019-11-04
Completed:

Analyte	Result ($\mu\text{g}/\text{mg}$ creatinine)	Reference Range	Reference Range Percentile	
Xylene Exposure				
3-Methylhippurate	0.17	< 0.15	90% (H)	
2-Methylhippurate	<0.02	< 0.07	10%	
Toluene Exposure				
Hippurate	174.54	< 672.00	62%	
Benzoate	3.01	< 7.00	66%	
Benzoate is metabolized to Hippurate. Elevations may cause elevated Hippurate independent of Toluene.				
Benzene Exposure				
t,t-Muconic Acid	<0.04	< 0.17	16%	
Trimethylbenzene Exposure				
3,4-Dimethylhippurate	0.01	< 0.02	90%	
Styrene Exposure				
Mandelate	0.15	< 0.40	25%	
Phenylglyoxylate	0.20	< 0.40	60%	
Mandelate + Phenylglyoxylate	0.35	< 0.64	52%	
Phthalate Exposure				
Monoethyl Phthalate	0.02	< 0.13	40%	
Phthalate	0.07	< 0.18	60%	
Quinolinate	5.22	< 7.20	74%	
Paraben Exposure				
Para-Hydroxybenzoate	0.35	< 1.40	51%	
Methyl Tert-butyl Ether Exposure				
Alpha-Hydroxyisobutyrate	4.53	< 8.00	40%	

Reference range updated 6/17/2019. Reference range is not gender adjusted. Reference range is age adjusted for children. Method: LC/MS/MS. Lactate is reported as D- and L-Lactate combined on UMP. This test is not intended to diagnose, treat, cure, or prevent any disease or replace the medical advice and/or treatment obtained from a qualified healthcare practitioner. US Biotek Laboratories has developed and determined the performance characteristic of this test under the Clinical Laboratory Improvement Amendments (CLIA). This test has not been evaluated by the U.S. Food and Drug Administration. This test does not assess for neonatal inborn errors of metabolism and is based on stable renal function and normal renal clearance.