

Physician: Dr. Chan, Stephen
Patient: KIRICHENKO Ekaterina H20141815
Accession #: 2015000107

Sex: F
Age: 28

Collected: 12/27/2014
Received: 01/02/2015
Completed: 01/06/2015

	Analyte	Result	*Reference Range	Population Ranking
		($\mu\text{g}/\text{dg}$ creatinine)		0 10 20 30 40 50 60 70 80 90 99
Xylene Exposure				
1	3-Methylhippurate	0.07	≤ 0.23	
2	2-Methylhippurate	1.83	≤ 7.20	
Toluene Exposure				
3	Hippurate ($\mu\text{g}/\text{mg}$ creatinine)	927.5	≤ 663.2 (H)	
4	**Benzoate ($\mu\text{g}/\text{mg}$ creatinine)	4.22	≤ 0.41 (H)	
Benzoate is metabolized to Hippurate. Elevations may cause elevated Hippurate independent of Toluene.				
Benzene Exposure				
5	t,t-Muconic Acid	0.02	≤ 0.11	
Trimethylbenzene Exposure				
6	3,4-Dimethylhippurate	0.02	≤ 0.11	
Styrene Exposure				
7	Mandelate	0.14	≤ 0.31	
8	Phenylglyoxylate	0.17	≤ 0.40	
9	Mandelate + Phenylglyoxylate	0.31	≤ 0.64	
Phthalate Exposure				
10	Monoethyl Phthalate	0.10	≤ 0.09 (H)	
11	Phthalate	0.07	≤ 0.50	
12	Quinolate ($\mu\text{g}/\text{mg}$ creatinine)	2.8	≤ 6.1	
Paraben Exposure				
13	Para-Hydroxybenzoate ($\mu\text{g}/\text{mg}$ creatinine)	0.45	≤ 2.66	

*Reference range updated 1/2/2013. Reference ranges are gender specific and periodically updated; Results are age adjusted for children.

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, Inc. 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 and is considered for investigational and research purposes only. This test does not assess for neonatal inborn errors of metabolism and is based on stable renal function and normal renal clearance. The analytes on the panel are subject to change without prior notice.

**Reference range is not gender or age adjusted.