

**TEST NAME: Urine Halides (Pre & Post Load)**

**Urine Halides; Pre & Post Loading**

Iodine	µg/mg cr	mg/24 hr	Reference Range	
Sample 1 PRE	0.27		0.1- 0.45 µg/mg cr	<p><b>Iodine</b> levels include iodine and iodide oxidized to iodine. <b>Excretion percentage</b> is calculated by dividing the patient's mg/24hour iodine result by the iodine/iodide dosage (in mg) recorded on the requisition form, then multiplying by 100.</p>
Sample 2 POST	25	30	0.1- 0.45 mg/24 hr	
% Excretion/24 hr		60%		

Bromine	µg/mg cr	mg/24 hr	Reference Range	
Sample 1 PRE	3.2		< 7 µg/mg cr	<p><b>Bromine</b> levels represent total bromine plus bromide, as measured by ICP-MS. Bromide is antagonistic to iodide, and is abundant in commercially produced baked goods, soft drinks, pesticides, brominated chemicals and some medications.</p>
Sample 2 POST	5.4	6.4	< 7 mg/24 hr	

Fluoride	µg/mL	mg/24 hr	Reference Range	
Sample 1 PRE	0.33		< 1.1 µg/mL	<p><b>Fluoride</b> in urine is measured using an ion specific electrode. Fluoride is neurotoxic, compromises integrity of bone, and interferes with iodide metabolism. Primary sources of fluoride include fluoridated water, beverages, toothpaste/mouth washes, dental treatments and some medications.</p>
Sample 2 POST	0.29	0.78	< 1.3 mg/24 hr	

Creatinine	Result	Reference Range	
Sample 1 PRE	57.6	30- 225 mg/dL	<p><b>Urine Creatinine</b> is used to account for urinary dilution effects in less than 24-hour collections and to assess the collection completeness in 24-hour collections. For estimation of glomerular filtration rate (GFR), a Creatinine Clearance test is recommended.</p>
Sample 2 POST	1200	600- 2100 mg/24hr	

Comments:

#1 Date Collected: 01/04/2019	#2 Date Collected: 01/05/2019	Date Received: 01/12/2019
#1 Collection Period: Random	#2 Collection Period: 24 Hr/Col1	Date Reported: 01/18/2019
	#2 Volume: 2700 ml	<dl: less than detection limit
	#2 Loading Dosage: 50 MG	Method: I, Br by ICP-MS/ F by ISE
		Creatinine by Jaffe method

**Reference ranges are representative of a healthy population under non-challenge or non-loading conditions.** V04.07