



**LAB#: U000000-0000-0**  
**PATIENT: Sample Patient**  
**ID: PATIENT-S-00091**  
**SEX: Female**  
**AGE: 64**

**CLIENT#: 12345**  
**DOCTOR:**  
**Doctor's Data, Inc.**  
**3755 Illinois Ave.**  
**St. Charles, IL 60174**

## Urine Halides; Pre & Post Loading

<b>Iodine</b>	$\mu\text{g}/\text{mg cr}$	$\text{mg}/24 \text{ hr}$	Reference Range	<b>Iodine</b> levels include iodine and iodide oxidized to iodine. <b>Excretion percentage</b> is calculated by dividing the patient's $\text{mg}/24\text{hour}$ Iodine result by the Iodine/Iodide dosage (in $\text{mg}$ ) recorded on the requisition form, then multiplying by 100.
Sample 1 PRE	17		0.1- 0.45 $\mu\text{g}/\text{mg cr}$	
Sample 2 POST	43	25	0.1- 0.45 $\text{mg}/24 \text{ hr}$	
% Excretion/24 hr		50%		

<b>Bromine</b>	$\mu\text{g}/\text{mg cr}$	$\text{mg}/24 \text{ hr}$	Reference Range	<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.
Sample 1 PRE	1.7		< 7 $\mu\text{g}/\text{mg cr}$	
Sample 2 POST	2.8	8	< 7 $\text{mg}/24 \text{ hr}$	

<b>Fluoride</b>	$\mu\text{g}/\text{mL}$	$\text{mg}/24 \text{ hr}$	Reference Range	<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.
Sample 1 PRE	1.3		< 1.1 $\mu\text{g}/\text{mL}$	
Sample 2 POST	1.5	0.86	< 1.3 $\text{mg}/24 \text{ hr}$	

<b>Creatinine</b>	Result	Reference Range	<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.
Sample 1 PRE	38	35- 225 $\text{mg}/\text{dL}$	
Sample 2 POST	570	600- 1900 $\text{mg}/24\text{hr}$	

**Comments:**

#1 Date Collected: <b>12/28/2008</b>	#2 Date Collected: <b>12/29/2008</b>	Date Received: <b>12/30/2008</b>
#1 Collection Period: <b>Random</b>	#2 Collection Period: <b>24 hr coll</b>	Date Completed: <b>12/31/2008</b>
	#2 Volume: <b>3000 ml</b>	<dl: less than detection limit
	#2 Loading Dosage: <b>50 MG</b>	Method: <b>I, Br by ICP-MS/ F by ISE</b> Creatinine by Jaffe method

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

V04.07