



**LAB#: U000000-0000-0**  
**PATIENT: Sample Patient**  
**ID: PATIENT-S-0001**  
**SEX: Female**  
**AGE: 68**

**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	
Sample 1 PRE	0.44		0.1- 0.45 $\mu\text{g}/\text{mg cr}$	<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 2 POST	32	22	0.1- 0.45 $\text{mg}/24 \text{ hr}$	
% Excretion/24 hr		44%		

<b>Bromine</b>	$\mu\text{g}/\text{mg cr}$	$\text{mg}/24 \text{ hr}$	Reference Range	
Sample 1 PRE	3.6		0.9- 4.7 $\mu\text{g}/\text{mg cr}$	<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 2 POST	4.1	3.1	0.9- 4.7 $\text{mg}/24 \text{ hr}$	

<b>Fluoride</b>	$\mu\text{g}/\text{mL}$	$\text{mg}/24 \text{ hr}$	Reference Range	
Sample 1 PRE	.5		0.2- 1.1 $\mu\text{g}/\text{mL}$	<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 2 POST	.9	3.9	2.3- 4.2 $\text{mg}/24 \text{ hr}$	

<b>Creatinine</b>	Result	Reference Range	
Sample 1 PRE	57	35 - 225 $\text{mg}/\text{dL}$	<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 2 POST	680	600- 1900 $\text{mg}/24\text{hr}$	

**Comments:**

#1 Date Collected: 3/15/2007	#2 Date Collected: 3/16/2007	Date Received: 3/17/2007
#1 Collection Period: Random	#2 Collection Period: 24 hr coll	Date Completed: 3/18/2007
	#2 Volume: 2000 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