LAB #: U140227-2059-1
PATIENT: Michael Cheikin
ID: CHEIKIN-M-00001
SEX: Male
AGE: 58

CLIENT #: 32029
DOCTOR: Michael Cheikin, MD
Wynd Moore Rehab Association
832 Germantown Pike 3
Plymouth Meeting, PA 19462 USA

Toxic Metals; Urine

TOXIC METALS		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE / OUTSIDE REFERENCE
Aluminum	(Al)	**< dl**	< 25	
Antimony	(Sb)	**< dl**	< 0.2	
Arsenic	(As)	**9**	< 75	
Barium	(Ba)	**5.2**	< 7	
Beryllium	(Be)	**< dl**	< 1	
Bismuth	(Bi)	**3.7**	< 2	
Cadmium	(Cd)	**0.3**	< 0.8	
Cesium	(Cs)	**5.3**	< 9	
Gadolinium	(Gd)	**< dl**	< 0.5	
Lead	(Pb)	**0.7**	< 2	
Mercury	(Hg)	**< dl**	< 3	
Nickel	(Ni)	**3.8**	< 8	
Palladium	(Pd)	**< dl**	< 0.1	
Platinum	(Pt)	**< dl**	< 0.1	
Tellurium	(Te)	**< dl**	< 0.5	
Thallium	(Tl)	**0.2**	< 0.5	
Thorium	(Th)	**< dl**	< 0.03	
Tin	(Sn)	**0.4**	< 4	
Tungsten	(W)	**0.1**	< 0.4	
Uranium	(U)	**< dl**	< 0.03	

URINE CREATININE	RESULT mg/dL	REFERENCE INTERVAL	-2SD -1SD MEAN +1SD +2SD
Creatinine	**147**	45 - 230	

SPECIMEN DATA

Comments:

Date Collected: **02/25/2014**
Date Received: **02/27/2014**
Date Completed: **02/28/2014**
Method: **ICP-MS**

pH upon receipt: **Acceptable**
<dl: **less than detection limit**
Provoking Agent:
Creatinine by Jaffe Method

Collection Period: **Random**
Volume:
Provocation: **PRE PROVOCATIVE**

Results are creatinine corrected to account for urine dilution variations. **Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions.** Chelation (provocation) agents can increase urinary excretion of metals/elements.

V13

LAB #: U140227-2039-1
PATIENT: Michael Cheikin
ID: CHEIKIN-M-00001
SEX: Male
AGE: 58

CLIENT #: 32029
DOCTOR: Michael Cheikin, MD
Wynd Moore Rehab Association
832 Germantown Pike 3
Plymouth Meeting, PA 19462 USA

Toxic Metals; Urine

TOXIC METALS		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE / OUTSIDE REFERENCE
Aluminum	(Al)	**3.2**	< 25	
Antimony	(Sb)	**0.2**	< 0.2	
Arsenic	(As)	**14**	< 75	
Barium	(Ba)	**8.2**	< 7	
Beryllium	(Be)	**< dl**	< 1	
Bismuth	(Bi)	**25**	< 2	
Cadmium	(Cd)	**0.6**	< 0.8	
Cesium	(Cs)	**11**	< 9	
Gadolinium	(Gd)	**< dl**	< 0.5	
Lead	(Pb)	**32**	< 2	
Mercury	(Hg)	**23**	< 3	
Nickel	(Ni)	**4.9**	< 8	
Palladium	(Pd)	**< dl**	< 0.1	
Platinum	(Pt)	**< dl**	< 0.1	
Tellurium	(Te)	**< dl**	< 0.5	
Thallium	(Tl)	**1.2**	< 0.5	
Thorium	(Th)	**< dl**	< 0.03	
Tin	(Sn)	**2.5**	< 4	
Tungsten	(W)	**0.09**	< 0.4	
Uranium	(U)	**< dl**	< 0.03	

URINE CREATININE	RESULT mg/dL	REFERENCE INTERVAL	-2SD -1SD MEAN +1SD +2SD
Creatinine	**33.2**	45 - 230	

SPECIMEN DATA

Comments:

Date Collected: **02/25/2014**
Date Received: **02/27/2014**
Date Completed: **02/28/2014**
Method: **ICP-MS**

pH upon receipt: **Acceptable**
<dl: **less than detection limit**
Provoking Agent: **DMSA**
Creatinine by Jaffe Method

Collection Period: **timed: 6 hours**
Volume:
Provocation: **POST PROVOCATIVE**

Results are creatinine corrected to account for urine dilution variations. **Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions.** Chelation (provocation) agents can increase urinary excretion of metals/elements.

V13