Sample Report TEE06

SEX: Female
AGE: 6

CLIENT #: 38596
DOCTOR:
Regenerus Laboratories Ltd
Aero 14 Redhill Aerodrome Kings Mill Lane
Redhill, Surrey, RH1 5YP UNITED KINGDOM

Mercury; Urine 24 hour

MERCURY PER CREATININE			
		RESULT µg/g creat	REFERENCE INTERVAL
Mercury	(Hg)	**< dl**	< 4.5

MERCURY PER 24 HOURS			
RESULT µg/24 HOUR	REFERENCE INTERVAL	WITHIN REFERENCE	OUTSIDE REFERENCE
< dl	< 3		

URINE CREATININE								
	RESULT mg/24 hr	REFERENCE INTERVAL	- 2SD	-1SD	MEAN	+1SD	+2SD
Creatinine	**473**	200- 1200					

INFORMATION

Toxic metals are reported as µg/g creatinine to account for urine dilution variations. Reference ranges are representative of a healthy population under non-challenge or non-provoked conditions. No safe reference levels for toxic metals have been established.
This individual's urine mercury is within the expected range.

Diet is the major source of organic mercury for the general population. Hg in atmosphere and drinking water also correlates with urine and body tissue levels. Smoking contributes to intake. Methyl mercury is of major environmental importance. Sources of Hg are: manuafacturing of electric equipment, thermometers, and blood pressure equipment; paints; pesticides; amalgams; laboratory chemicals; pharmaceuticals; cosmetics; furs; sludge used as fertilizer; industrial waste; etc. Mercury-containing amalgams increase Hg levels in blood, urine, saliva, and hair.Half-lives for mercury retention in humans vary from 1.7 days to 240 days depending upon the form of Hg and the organ involved.The critical organ in exposure to Hg varies with the type of compound, dose, route of absorption, exposure time, and stage of development. Common daily mercury ingestion is 15 micrograms. Most Hg is excreted in the feces. Urine levels of 1 to 2 micrograms per day are considered normal in man.

SPECIMEN DATA

Comments:

Date Collected:
Date Received: **04/03/2019**
Date Completed: **04/04/2019**
Method: **ICP-MS**

pH Upon Receipt: **elemph**
<dl: **less than detection limit**
Provoking Agent:
Creatinine by Jaffe Method

Collection Period: **24 hr**
Volume: **500 ml**
Provocation:

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