



laboratory  
reference  
centre  

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Service Education Research

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TO: **REFERRING CLIENTS**

FROM: Barb Baltzer, Coordinator  
Laboratory Reference Centre  
Hamilton Regional Laboratory Medicine Program

DATE: August 1, 2012

SUBJECT: **Test Information Updates**

Please take note of the following updates to the LRC Laboratory Test Information Guide:

Test Name	Changes/Updates		
Arsenic-Total, Urine (Random & 24h)	<b>Arsenic-Total, Urine (Random &amp; 24h)</b> <b>Reference Intervals:</b>		
	Age (Years)	Units: µmol/mol creatinine	
		Female	Male
	0 – 11	0 – 63.6	0 – 60.7
	12 – 19	0 – 38.7	0 – 37.6
	20 – 29	0 – 43.8	0 – 33.4
	30 – 39	0 – 52.9	0 – 39.0
	40 – 49	0 – 62.8	0 – 41.1
	50 – 59	0 – 74.2	0 – 47.3
	60 – 69	0 – 73.2	0 – 49.4
	70 - 79	0 – 76.3	0 – 53.4
> 80	0 – 93.7	0 – 60.7	
Note: Inorganic Arsenic will be measured and billed whenever Total Arsenic is greater than 70 µmol/mol creatinine.			

Test Name	Changes/Update		
<b>Arsenic-Inorganic, Urine (Random &amp; 24h)</b>	<b>Arsenic-Inorganic, Urine (Random &amp; 24h)</b> <b>Reference Intervals:</b>		
	Age (Years)	Units: µmol/mol creatinine	
		Female	Male
	0 – 11	0 – 15.9	0 – 15.2
	12 – 19	0 – 9.7	0 – 9.4
	20 – 29	0 – 10.9	0 – 8.3
	30 – 39	0 – 13.2	0 – 9.7
	40 – 49	0 – 15.7	0 – 10.3
	50 – 59	0 – 18.5	0 – 11.8
	60 – 69	0 – 18.3	0 – 12.4
	70 - 79	0 – 19.1	0 – 13.4
> 80	0 – 23.4	0 – 15.2	
<b>Primidone</b>	<b>Primidone</b> <b>Reference Intervals:</b> Therapeutic: 23.0 – 55.0 µmol/L Toxic: > 70.0 µmol/L <i>(Toxic range revised from &gt; 90)</i>		

If you have further questions, please contact our customer service at 905-577-1477.