



To: All Wards, Departments and Ordering Physicians,
Hamilton Health Sciences and St. Joseph's Healthcare,
Laboratory Reference Centre Clients

From: Dr. Tony Chetty, Discipline Director
Clinical Chemistry/Immunology
Hamilton Regional Laboratory Medicine Program (HRLMP)

Date: February 14, 2012

Re: **Estrone and Aldosterone Assays**

Estrone and Aldosterone results from the Clinical Chemistry and Immunology Laboratory of the HRLMP are delayed until further notification. Due to technical difficulties, the manufacturer of our Estrone and Aldosterone kits will not be able to supply kits for an undefined period of time. Estrone results will be delayed until the issue is resolved. Aldosterone will be sent to an alternative laboratory and results will be provided. Our supplier is working diligently to correct the underlying issues.

Alternative Laboratory Test information:

Test: **Aldosterone, Serum/Plasma(Heparin)**
Method: RIA
Specimen Type: 1 mL serum or heparin plasma
Specimen Handling: Indicate if patient was upright or recumbent. Store and send frozen. Hemolyzed specimens are unsuitable for analysis. Plasma (EDTA) is not recommended as results will on average be 15 % higher than serum or heparinized plasma.
Reference Interval: Upright: 111 – 860 pmol/L
Recumbant: Less than 444 pmol/L

Test: **Aldosterone, 24h Urine**
Method: RIA
Specimen Type: 10 mL of 24hr urine
Specimen Handling: Store and send frozen. Provide collection date and volume (in litres). Identify all drugs administered within 2 weeks as some drugs have low cross reactivity in this assay.
Reference Interval: Creatinine, Urine: Male: 9.0 – 17.0 mmol/d
Female: 7.0 – 15.0 mmol/d
Sodium, Urine: 40 – 220 mmol/d
Aldosterone, 24h Urine: Normal Salt Diet:
Sodium: Aldosterone
<25: 47 – 122 nmol/d
100 – 200: 16 – 69 nmol/d
>200: 0 – 16 nmol/d

We apologize for any inconvenience that this has created and hope to have results out to you as soon as possible. We are in the process of establishing a new Estrone method and are establishing reference intervals.

Thank you in advance for your patience and understanding during this time.

For further information about the delay, please contact:

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