

Laboratory Medicine
 PO Box 6600
 Charlottetown
 Prince Edward Island
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MEMORANDUM

Médecine de Laboratoire
 C.P. 6600
 Charlottetown
 Île-du-Prince-Édouard
 Canada C1A 8T5

TO : Physicians, Nurse Practitioners, Nurse Managers, Directors of Nursing, Clinical Instructors/Educators, PEI Hospital Laboratories

FROM : Louise Farrar Technical Lead Biochemistry
 Health PEI Provincial Laboratory Services

DATE : September 25, 2013

RE : **SWEAT CHLORIDE TESTING – UPDATE**

Effective immediately:

1. New sweat stimulation and collection instrumentation is now in use; the Webster Sweat Inducer and Wescor® Macroduct System. This instrumentation provides improved patient safety and improved stimulation and collection of sweat.

2. Expanded Reference Intervals:

Infants up to and including 6 months:		Greater than 6 months:	
Normal	Cl ⁻ ≤ 29 mmol/L	Normal	Cl ⁻ ≤ 39 mmol/L
Indeterminate	Cl ⁻ = 30 – 59 mmol/L	Indeterminate	Cl ⁻ = 40 – 59 mmol/L
Indicative of CF	Cl ⁻ ≥ 60 mmol/L	Indicative of CF	Cl ⁻ ≥ 60 mmol/L

3. Change in reporting format: Sweat Volume now reported (µL) instead of weight.
4. Booking appointments:
 - a. Sweat Chloride Testing will be performed on the first and third Wednesday of each month.
 - b. Appointment times available:

9:00 am	12 noon
10:30 am	1:30 pm
 - c. The office of the ordering practitioner must call the lab at 894-2324 to book the procedure.
5. Please ensure that your patient/parent/care-giver is fully informed as to the nature of the test, the reason for the test, the risks involved and the possibility of repeat testing. Information regarding the test is available from Provincial Laboratory Services information brochure "Sweat Chloride Test". Please contact the lab to request the brochure.

For further information please contact:

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