





Pathology and Laboratory Medicine

# **Orderable - CLSW**

Turnaround Time: 2 days STAT: 1 day

#### Alternate Name(s):

Chloride, Sweat



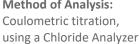
Laboratory: **Endocrinology Lab** 



**Requisition: GENERAL LABORATORY REQUISITION** 



Method of Analysis: Coulometric titration,





Test Schedule: Monday - Friday 0800-1600

## **Collection Information:**

Special collection. Collected only in Paediatric Medical Day Unit (PMDU) by the Cystic Fibrosis Clinic Nurse. Placing this order does not notify PMDU of this request.

For **inpatient** requests, please call ext. 52171 for best collection date and time.

For all **outpatient** requests, please call ext. 78944 or fax request to 519-685-8393.

Please **DO NOT** send a green Lab or Pulmonary Function requisition.

**Sweat Chloride Information Sheet** 

Map to PMDU-Victoria Hospital

### **Reference Ranges:**

Range	Interpretation
<30 mmol/L	(Negative) Cystic Fibrosis is
	unlikely
30-59 mmol/L	(Indeterminate) Cystic
	Fibrosis is possible
≥60 mmol/L	(Positive) Diagnostic of
	Cystic Fibrosis

#### **Interpretive Comments:**

Reliable test in the diagnosis of Cystic Fibrosis. Newborns greater than 36 weeks gestation and >2 kg body weight with a positive CF newborn screen, or positive prenatal genetic test, should have sweat chloride testing performed as soon as possible after 10 d of age, ideally by the end of the neonatal period (4 weeks of age).







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Serum electrolytes should be ordered simultaneously to avoid misinterpretation. May be falsely elevated in certain conditions, i.e. malnutrition, edema, diabetes insipidus. Repeat testing is strongly suggested.

## **Storage and Shipment:**

Sweat may be stored in tightly sealed tubing or small vials at 2-8°C for up to 3 days prior to analysis