

SWEAT CHLORIDE

Orderable - CLSW

Turnaround Time: 2 days

STAT: 1 day

Alternate Name(s):

Chloride, Sweat

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).



Laboratory:
Endocrinology Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Coulometric titration,
using a Chloride Analyzer



Test Schedule:
Monday - Friday
0800-1600



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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