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:

<table>
<thead>
<tr>
<th>Range</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;30 mmol/L</td>
<td>(Negative) Cystic Fibrosis is unlikely</td>
</tr>
<tr>
<td>30-59 mmol/L</td>
<td>(Indeterminate) Cystic Fibrosis is possible</td>
</tr>
<tr>
<td>≥60 mmol/L</td>
<td>(Positive) Diagnostic of Cystic Fibrosis</td>
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</tbody>
</table>

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).
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.