

### Sweat Chloride Reference Interval Changes

Effective Date: 03/15/2018

As recommended by the College of American Pathologists, Beaumont Laboratory is updating the reference intervals for sweat chloride testing for cystic fibrosis. The new intervals are consistent with consensus guidelines from the Cystic Fibrosis Foundation published in 2017 (Farrell, PM, et al., *J Pediatr.* 2017 Feb; 181S:S4-S15.e1. doi: 10.1016/j.jpeds.2016.09.064.). The analytical method and testing requirements for sweat chloride analysis at Beaumont Laboratory remain unchanged.

#### Reference Intervals

##### NEW

	Sweat chloride (mmol/L)
<b>Interpretation</b>	<b>All ages</b>
Normal	<30
Intermediate	30-59
Possible CF	≥60

##### OLD

	Sweat chloride (mmol/L)	
<b>Interpretation</b>	<b>&gt;6 months</b>	<b>≤6 months</b>
Normal	<40	<30
Intermediate	40-59	30-59
Possible CF	≥60	≥60

Normal sweat chloride indicates CF is unlikely. Intermediate results indicate that further study is needed to establish or rule out CF diagnosis. Elevated results are indicative of CF for individuals presenting with a positive newborn screen, clinical features consistent with CF, or a positive family history.

#### Test Methodology

Gibson-Cooke sweat collection followed by coulometric titration of chloride

#### Test Codes

Beaumont Laboratory Test Code: SWCL  
Epic LAB5852

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

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#### Beaumont Laboratory

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