

SWEAT TEST ANALYZER

ISEsweat

in just 2 steps



Quantitative analysis

ISEsweat is a potentiometric instrument for diagnosis of cystic fibrosis by means of ion chloride concentration measurement in the sweat expressed in mmol/l.

The ISEsweat has the capacity to generate sweat and to give a value of the concentration of ion chloride automatically, without manipulating the sample in any moment, and totally wireless. The instrument's development is based in two new technologies: Microelectrodes, to produce sweat and analyse it; and the Radio Frequency (RF) for the data transmission.



TECIL®



ISEsweat

The ISEsweat offers a new sweat Cl^- measurement for cystic fibrosis diagnosis.

The new analyzer offers a less traumatic, faster and more precise result than current conventional methods.

Features:

Consist of two independent modules: receptor base and analyzer remote module.

Detachable sensor card contains the electrodes for the stimulation and the analysis of the sweat generated.

Carries out the Quantitative Pilocarpine-Iontophoresis Test (QPIT) by means of the direct analysis of the ion chloride on the patient's skin.

Quality Control solutions available: 20 and 80 mM

<i>Sample volume</i>	<i>10 μl</i>
<i>Precision</i>	<i>2 mmol</i>
<i>Rank</i>	<i>2 – 150 mmol</i>
<i>C.V.</i>	<i>2% between 10 and 80 mmol, 7% between 81 and 130 mmol</i>
<i>S.D.</i>	<i>± 2 between 10 and 80 mmol, ± 5 between 81 and 130 mmol</i>

How to carry out the test in 25 minutes?:

- 1- Place the remote module (with the sensor card) in the patient's arm, and press the start button on the remote.
- 2- Collection and analysis by the remote module of sweat obtained then, the result is sent to the LCD screen of the receptor base displays.



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