

PURPOSE

This is the first test requested as a screening test for Cystic Fibrosis. If the test is positive, the requesting doctor must request genetic tests to confirm the diagnosis, as well as other types of explorations.

It is a painless test that consists of analysing sweat collected from forearm skin.

PREPARATION

No preparation required. Lotions or creams should be avoided on the arms on the day of the test.

DURATION

Approximately one hour

PROCEDURE

The test consists of three parts:

- 1) Stimulation of iontophoresis (sweat secretion) with Pilocarpine gels: It is performed on forearm skin that does not present eczema, oedema or other lesions.



The forearm is washed with distilled water and alcohol. Two electrodes, containing a pilocarpine reagent, are placed on the arm of the child or patient, applying an automatically controlled current of 1.5 mA for 5 min.

At the end of the stimulation, the electrodes are removed, the skin is washed again with distilled water and dried. Pilocarpine may cause local irritation, but in less than 1% of cases.

- 2) Collection of sweat:



It is made in a plastic disc, slightly concave, with a hole in the centre and a plastic tube that spirals out of the hole. It has a small amount of

blue dye that allows users to check whether the sweat obtained is correct simply by visual inspection.

The collection period should not exceed 30 min. The collection time should not be prolonged to increase the sweat volume, as this is associated with an increase in false negatives.

3) Analysis of the sweat:



The sample is collected with needle and syringe from the uncoiled tube. It is analysed by conductivity in the Macroduct Sweat Testing System

RESPONSE TIME OR RESULT

On the day.

If you have any further questions, please do not hesitate to contact Analiza by email at atencionalpaciente@analizalab.com or by telephone on 902 67 64 57.