SOMA Oral Fluid Collector II (OFC II)

PRODUCT FACTS

SOMA Product Code
SOMA OFC II

Kit Contents
SOMA OFC Swab and
SOMA OFC Buffer

Applications
For the collection of saliva samples for analysis either on SOMA LFD Reader or Laboratory analysis. For use in Sport, Exercise, Corporate, Healthcare, Drugs of Abuse Testing, Research and Veterinary environments.

Collection Time
Typically between 20-50 seconds.

Collection Volume
Typically 0.5 mL of oral fluid.

Shelf-Life

OFC Swab	24 Months
OFC Buffer	18 Months

Storage
4˚C to 40˚C

Sample Stability*

At least 2 years at	-20˚C
At least 3 months at	4˚C
At least 3 weeks at	37˚C

*Stability studies conducted using sIgA, IgG, cotinine, cortisol and drugs of abuse as examples, sAA is different and samples should be cooled or frozen if not analysed RT.

The SOMA OFC II consists of two parts, a swab for the collection of the sample and a bottle of buffer. The swab can be used for all types of application where collection of saliva / oral fluid is required. Samples can either be analysed immediately on the SOMA LFD, or can be sent to the lab for subsequent processing.

The swab consists of specially formulated polymer based materials attached to a small plastic tube which contains a volume adequacy indicator. The indicator shows a clear colour change when 0.5 mL of oral fluid has been collected. It is then placed in the bottle containing the proprietary SOMA buffer.

It is recommended that the swab is placed on top of the tongue and the mouth closed while sample collection takes place, so as to recruit oral fluid from all salivary glands. In most individuals, under normal circumstances, collection takes less than a minute to complete.

The SOMA OFC buffer solution comes in different volumes depending upon the application and required sensitivity of the assay in question. The buffer has four main properties to facilitate collection and stability of the samples:

- Buffers, to negate the effect of pH variability due to recent food and drink taken.
- Preservatives, to prevent growth or micro-organisms, keeping samples stable at room temperature for weeks (longer when refrigerated or frozen).
- Extraction agents, to allow immediate recovery of target analytes with less than two minutes of gentle mixing.
- Acts as a run buffer for when running tests on the SOMA LFD.

Bottles containing the proprietary SOMA buffer

Ideal for Point of Care Test

The SOMA OFC II is the perfect partner for the SOMA LFD test range. It is quick and convenient to use in the sporting environment. Mixing of the sample is best done in a rhythmic back and forth, or up and down, motion to facilitate extraction of the target analyte.

There is no need for freezing, pipettes, centrifuges or any other laboratory equipment. To run a test on the LFD, simply flip the cap and release two drops from the dropper cap on the bottle.

Laboratory Application

Because samples are very stable in the SOMA Buffer (three weeks at 37˚ C) the OFC is ideal for remote field trials. It has been used for research studies in environmental extremes such as Mount Everest, Siberia, Antarctica and the heat and altitude in Bolivia. This simple non-invasive collection method needs no expert supervision and can simply be posted to a laboratory for subsequent analysis.

Validation

Jehanli et al. (2011) "Development and validation of an Oral Fluid Collection device and its use in the immunoassay of salivary steroids and imunoglobulins in sports persons." Presented at the International Society of Exercise Immunology Symposium 2011.