



PRODUCT FACTS

SOMA Product Code
SOMA LFD RDR

Kit Contents

1 SOMA LFD Reader,
USB stick containing SOMA
LF Software and Manuals
Batteries (rechargeable)
USB Cable
Power supply & Adapter
Transport Case

Applications

For the analysis of saliva samples for the quantitative determination of a variety of assays. For use in Sport, Exercise, Corporate, Healthcare, Veterinary and Research.

Scan Time

Approximately 22 seconds

Sample Volume

Two drops of saliva / buffer mix from OFC (~100 µl)

Power

100-240 V AC, 50-60Hz, 15w

Data Storage Capacity

100 test results

Storage

-20°C to +70°C

Operating temperature

+15°C to 40°C

Dimensions

H 46mm W 178 mm D 165 mm

Mass

620g

Quantitative salivary measurement solutions

SOMA LFD READER

Lateral flow assays represent a well established proven technology for a variety of point-of-care and field use applications. Although these simple diagnostic tests are established in many routine applications, this technology has not been widely applied when very sensitive, highly reproducible, quantitative results or electronic data documentation are required.

The *SOMA LFD Reader* now makes this possible, by combining the major advantages of traditional lateral flow assay with modern technologies to fulfil the requirements for new diagnostic tests. The *SOMA LFD Reader* is ideal for point-of-care diagnostics, field-based tests and many more applications.

The component parts required for a test are: an SOMA LFD Reader; an SOMA Oral Fluid Collector (OFC) swab; an SOMA OFC Buffer and an SOMA LFD.

Application Range

SOMA have developed a range of LFDs for the LFD Reader, including antibodies and hormones, in both humans and animals, as well as detection of other substances (for example Drugs of Abuse). New LFD ranges are constantly in development, so check the website for the latest list of available assays.

The reader is simple to operate and very quick to use, with scans taking around 20 seconds. This makes analysis of batches of samples a remarkably speedy process, compared to standard laboratory

procedures. The SOMA LFD assays are all competitive, as opposed to some Lab ELISA assays which are sandwich assays, yet the agreement between the two platforms is remarkably strong.

Field Testing

The rechargeable batteries mean that the test can be performed in a range of settings and the reader stores up to 100 values in the memory, each date and time-stamped. This data can be recalled on the reader itself, or exported to excel using the SOMA LF Software also supplied.



The SOMA LFD Reader with OFCs and LFDs (not included).

Individual Calibration

A specific calibration curve for each batch (or Lot No.) of strips can be uploaded to the *SOMA LFD Reader* using the SOMA software. The process is quick and easy, taking less than a minute to perform.

The *SOMA LFD Reader* has the capacity to run up to 20 different assays, so as new SOMA LFD tests are developed, they can be added to the platform, in the same way as updating the calibration.