Salivette®
Hygienic saliva collection for diagnostics and monitoring
With the rising diagnostic importance of analytes with rhythmically changing value (e.g., hormones or drugs) it is necessary to easily obtain high quality diagnostic samples. Several research studies have determined that saliva is effective and useful as a sample material. The Salivette® provides an optimal method for hygienic collection of saliva. Patients can very easily and independently collect the sample material for daily profiles at home without professional medical assistance. For saliva collection, the Salivette® is available with different swab options: a plain cotton swab, a cotton swab with citric acid preparation to stimulate salivation, and a synthetic swab specially designed for cortisol determination.

Salivette® – Instructions for use

1. The patient removes the swab from the Salivette® (see Figs. 1 and 2)...
2. ...and places the swab in the mouth and chews it for about 60 seconds to stimulate salivation (see Fig. 3).
3. Now the patient returns the swab with the absorbed saliva to the Salivette® (see Fig. 4)...
4. ...and replaces the stopper (see Fig. 5).
5. Centrifugation for 2 minutes at 1,000 x g yields a clear saliva sample in the conical tube (see Fig. 6)
6. Particles and mucus strands are collected in the specially designed extended tip of the Salivette® tube (see Fig. 7).
7. The closed insert containing the swab is then hygienically disposed. The saliva recovered can now be used for analysis (see Fig. 8).
Its crucial clinical significance makes cortisol one of the most important analytes that can be determined from saliva. The Salivette® Cortisol (Art. No. 51.1534.500) is specially designed for cortisol determination from saliva.

The blue screw cap visibly distinguishes the Salivette® Cortisol from the other swab versions. The printed label provides sufficient writing space for important patient information and collection time.

The Salivette® Cortisol is designed to achieve precise analytical values from small volumes and samples with very low cortisol levels.

The cortisol recovery rate in the Salivette® Cortisol is proven to be almost 100%, regardless of the cortisol concentration, the saliva volume or the measuring method applied.

Moreover, the dimensionally stable and biocompatible synthetic swab stands out for its superior absorption quality and virtually complete saliva recovery under the recommended centrifugation conditions.

A high saliva recovery rate after centrifugation is an important precondition for reliable analysis of even the smallest saliva volumes. Generally, a sample volume of just 50 μl or less is sufficient for cortisol determination. The average saliva volume usually recovered from adults is 1.1 ± 0.3 ml.

A detailed Evaluation Report is available on request.

Note: Except for cortisol analysis using the Salivette® Cortisol, the suitability of the Salivettes must always be tested prior to routine determination of saliva analytes.
References

1 Please find below a selection of reviews (refer to corresponding references):
Haeckel R, Hänecke P: Application of Saliva for Drug Monitoring - An In Vivo Model for Transmembrane Transport, 
13, 197-212.
Hodinka RL, Nagashunmugam T, Malamud D: Detection of Human Immunodeficiency Virus Antibodies in 

2 Kirschbaum C, Hellhammer DH: Salivary Cortisol in Psychoneuroendocrine Research: Recent Developments and 
Phosphatidic Acid and Phosphatidylserine Complex (PAS) on the Endocrine and Psychological Responses 
to Mental Stress, Stress 2004, 7, 119-126.
Hellhammer J, Hellhammer D: Ein neuer Weg in der Stressdiagnostik: Neuropattern, in: Stubbe H, 

Ordering information

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<th>Order No.</th>
<th>Ø / Length in mm</th>
<th>Description</th>
<th>Packaging</th>
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<td>97 / 16.8</td>
<td>Cotton swab w/o preparation</td>
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