

Virus diagnostics products

Easy saliva collection and secure transport



- ✓ Non-invasive collection
- ✓ Suitable for all age groups from three upwards

The user can collect their own saliva sample by gargling.



- ✓ Lower risk of infection for medical personnel
- ✓ Specifically for virus diagnostics

This method is easier to use than the nose and throat swab and safer thanks to the increased distance from the patient.



Saliva collection by gargling

Laboratories and experts have now confirmed that gargling delivers equally reliable results to other saliva collection methods^{1,2}. The patient gargles with 10 ml of saline solution or water and then spits the gargling solution into a cup.

Saliva collection via gargling is particularly suitable for groups of people who need to be tested regularly. During the COVID-19

pandemic, for example, these could be schoolchildren and teachers, slaughterhouse workers or medical staff.

Gargling is also found to be more pleasant than the nose and throat swab usually used elsewhere³.



Safe sample collection and processing

Various methods are used to detect acute or prior infection. The best known direct molecular biological detection method is PCR.

Some rapid tests also utilise saliva collection via gargling.

After the patient has spat the saliva sample into the cup, the medical staff can then prepare it for transport to the laboratory.

Using Monovette® VD



Safe collection of the saliva sample with the aspiration technique.

Using V-Monovette® VD



Sealed saliva transfer with the vacuum technique.

- ✓ Non-invasive collection
- ✓ Suitable for all age groups from three upwards

The user can collect the saliva themselves by placing the absorbent roll in their mouth.



- ✓ Lower risk of infection for medical personnel
- ✓ Specifically for virus diagnostics

This method is easier to use than the nose and throat swab and safer thanks to the increased distance from the patient.



Saliva collection using absorbent roll

Studies show that saliva is an equivalent sample material to secretions collected with a nose and throat swab, particularly in the acute phase, and that it is suitable for screening².

Saliva collection is particularly well suited for groups of people that are tested regularly (screening), such as nursery children aged three and above, schoolchildren, slaughterhouse workers, and also medical professionals.

The patient places the absorbent roll in their mouth for two minutes without making any chewing motions.

Users find placing the absorbent roll in the mouth an easy and clean process. There are also no aerosols involved.



Safe sample collection and secure transport

Acute infections can be directly detected using the molecular biological PCR method. There are also rapid tests that use saliva as the sample material.

After saliva has been collected with the absorbent roll, it is placed back in the Salivette® VD collection vessel. The medical staff then prepares the sample for secure transport to the lab and ensures that the Salivette® VD is kept in refrigerated storage until further processing.

Using Salivette® VD



Safe sample collection + secure sample transport + easy and reliable sample processing

PRE-ANALYTICS



Requirements for sample collection

A sample material will only be viable if pre-analytics are properly observed. When collecting saliva, as with conventional blood tests, it is important that the patient is sober when tested. With this in mind, the patient should not eat, drink, clean their teeth, take medication or smoke for a minimum of 60 minutes prior to the test. Each of these activities can affect the test result of

the sample material and, in the worst-case scenario, result in a false negative test result.

Studies have shown that saliva samples remain stable at 4°C and at room temperature for up to seven days without the addition of stabilisers. The transport medium used only has a minimal influence here⁴.



≥ 60 min



Ordering information

Order no	Description	Inner Packaging	Full packaging
10.223.025	Monovette® VD 8.5 ml with absorbent tip	individually packed in blister pack, 100/box	100/inner box • 500/outer box
75.562.605	Cup with screw cap VD	5 pcs/sleeve	5/bag • 200/outer box
13.2406.601	V-Monovette® VD 4 ml	100 pcs/bag	100/bag • 500/outer box
13.2407.601	V-Monovette® VD 10 ml	100 pcs/bag	100/bag • 500/outer box
75.562.600	Cup VD with transfer device	5 pcs/sleeve	5/bag • 200/outer box
51.1534.100	Salivette® VD	100 pcs/bag	100/inner box • 500/outer box

The storage duration and temperature will depend on the shelf-life for the parameters to be tested. Therefore, and since the onset of bacterial growth in saliva can be expected after just a few hours at room temperature, it is recommended that the VD products be sealed tightly after sampling, analysed immediately, or placed immediately in a refrigerator before being processed further.

References:

- ¹ Sohn et al JCM 9(9):2924 2020, Assessing Viral Shedding and Infectivity of Asymptomatic or Mildly Symptomatic Patients with COVID-19 in a Later Phase, DOI: 10.3390/jcm9092924
- ² Wyllie et al NEJM 383(13):1283-1286 2020, Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2, DOI: 10.1056/NEJM2016359
- ³ Michailidou et al OD 00:1-11 2020, Salivary diagnostics of the novel coronavirus SARS-CoV-2 (COVID-19), DOI: 10.1111/odi.13729
- ⁴ Williams et al JMM 70(2):001285 2021, Detection of SARS-CoV-2 in saliva: implications for specimen transport and storage, DOI: 10.1099/jmm.0.001285
- ⁵ Hoch et al Diagnostics 11:1797 2021, Feasibility and Diagnostic Accuracy of Saliva-Based SARS-CoV-2 Screening in Educational Settings and Children Aged <12 Years, DOI: 10.3390/diagnostics11101797

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