

Your **Power** for Health



Greiner Bio-One Preanalytics

would like to
welcome you



www.gbo.com

GBO Saliva Collection System

SCS Saliva
Collection System
in saliva veritas



greiner bio-one



in saliva veritas

The first system on a liquid basis: **Saliva Collection System (SCS)**



Saliva Extraction Solution



Saliva Collection Beaker



Saliva Transfer Tubes

Collection within 3 min: 1-2-3



1. Oral fluid collection:

Rinse oral cavity **2 min** with **Saliva Extraction Solution N°1**

2. Saliva Collection Beaker

Unscrew **Saliva Collection Beaker N°2** and spit in entire contents of mouth.



3. Transfer

Screw lid gently back onto beaker 2, remove safety sticker and take **Saliva Transfer Tube N°3** and push down onto the opening. Tube will fill by itself.



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Centrifugation:

Saliva Transfer Tube containing saliva samples should be centrifuged for **10 min** at **2200g**.

The clear supernatant or pellet will be analysed.

Storage of samples (depending on the analytes):

+20 to +25°C	storage 1 day - 20 days
+4°C	storage 1 - 3 weeks
-20°C	storage for months

Saliva Quantifikation Kit

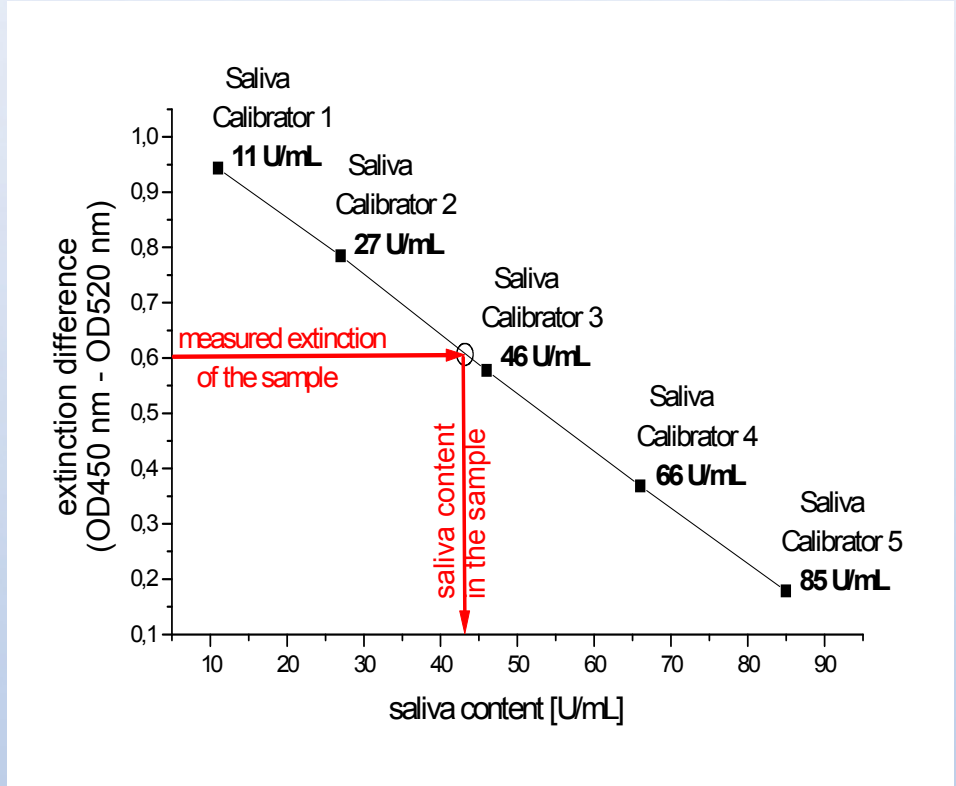
Determination of the saliva content in the collected sample



5 Calibrators with defined saliva content:
11, 27, 46, 66 und 85 U/mL

correspond to 11 – 85 volume percentage of

2 Controls: 30 U/mL and 70 U/mL

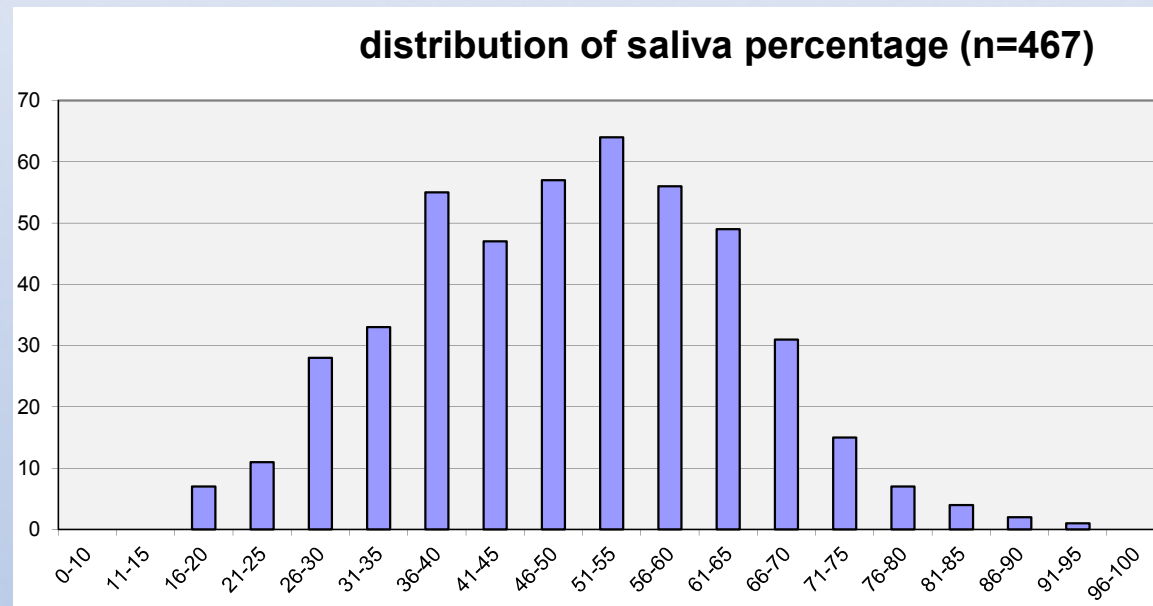


The yellow food dye **tartrazine** which is part of calibrators, controls and collected samples enables to determine the content **photometrically**.

Using the calibration line, the saliva content (U/ml) in the sample is calculated using the linear regression formula.

Calibration and samples
Extinction cal= Ex 450 nm – Ex 520 nm

> 4 mL with mean 55 % of saliva





Tube N°1 Extraction solution

- yellow dye enables saliva quantification = internal standard
- No absorption
- Collection from the whole mouth cavity
- No problem with dry mouth
- Collection under surveillance

Saliva Collection Beaker N°2

- Whole rinsing sample can be collected



Tube N°3 Saliva Transfer Tubes

- Tamper-evident transfer tubes with sleeves
- Damaged sleeves indicate unauthorised access
- Tube-labels for data
- Fill volume easy to read
- Simple splitting and sample duplication
- Dilution factor is exact and donor specific determinable
- pH stay acidic
- No detergents





Saliva collection using a liquid matrix under standardized conditions guarantees a standardized saliva preanalytic for the first time.

THANK YOU