



SALIVA COLLECTION INSTRUCTIONS USING THE SORBETTE

(Sorbette, Part No. 5029.00, & Conical Tube, Part No. 5001.04)

The Sorbette is especially recommended for collecting saliva samples from infants.* Note that it is approved for use *only* with the following analytes: **cortisol, alpha-amylase, cotinine, & SIgA†**.

Supplies Needed: Sorbettes, conical tubes, sample ID labels.

1. Remove one Sorbette from envelope. Close envelope immediately to protect the remaining Sorbettes from contact with moisture.
2. Put Sorbette *under the tongue* for one minute, and allow it to absorb the whole saliva that pools there. **Do not** stop collecting when the sorbette begins to puff up. **Collect saliva for a FULL MINUTE.** (Due to its small size the Sorbette has the potential to collect localized secretions from specific areas of the mouth, which could affect results for analytes such as SIgA and alpha-amylase. We therefore generally recommend that the Sorbette not be moved around in the mouth.)
3. Under ideal circumstances, collection for one minute yields approximately 200-300 uL of saliva. **If a greater volume is needed for testing**, use a second Sorbette for a full one minute. Some customers also report successfully using two Sorbettes together at the same time.
4. Sample collection from infants: The Sorbette can be placed *under the tongue* for 15 to 30 seconds at a time and re-introduced as needed until the Sorbette is saturated (at least one minute total time).
5. Place Sorbettes into the conical tube cap as seen in the attached diagram (pg. 2). The tips should face the cap end of the tube. **The Sorbette position is critical for recovering absorbed saliva during centrifugation.**
6. Place ID label on exterior of conical tube.
7. If processing samples in-house, centrifuge the conical tube for 15 minutes at 3000-3500 rpm to extract the saliva. Remove the Sorbette with tweezers, then recap and proceed with testing.

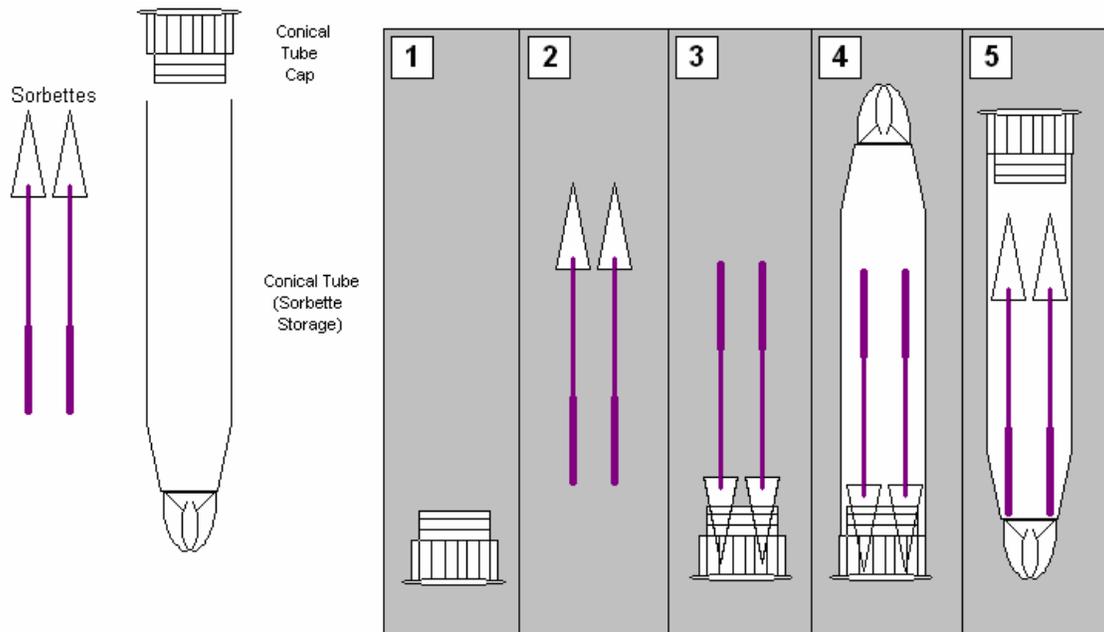
Notes:

- It is crucial that the saliva collected via Sorbette not evaporate. Make sure the vial cap is snug and sample is frozen *within two hours* after collection.
- It is best to centrifuge the saliva out of the Sorbette *before* freezing to lessen the chance of evaporation.
- Sorbettes are currently offered for research use only.
- Data from Sorbettes stored for 48 hours at -60°C, 4°C, and at room temperature show no statistically significant differences in mean or CV (expressed as a proportion) from samples collected with a cotton collection device.
- We discourage the Sorbette collection method for adults unless passive drool options prove impractical (e.g., dementia patients). Please consult with Salimetrics staff regarding the proper saliva collection method for your subjects.

*See de Weerth, C., Jansen, J., Vos, M.H., Maitimu, I. & Lentjes, E.G.W.M. (2007). A new device for collecting saliva for cortisol determination. *Psychoneuroendocrinology* 32, 1144-1148.

†SIgA levels are influenced by the saliva flow rate, which may be difficult to estimate when collecting with this device.

SORBETTE SAMPLE PREPARATION



1. Place cap on a flat surface as shown.
2. Saturate one to three Sorbettes per subject.
3. Insert Sorbettes **tip down** into cap.
4. Slide conical storage tube over purple sticks and snap down securely onto cap.
5. If conical tube storage box is used, place tubes in box with cap side up.