



## SUGGESTED PROTOCOL: Extraction-free Processing of Buccal Swabs

v. 20230206

### **Sample:**

- Sample dried onto a synthetic buccal swab

### **Materials:**

- Entopsis Inc.:
  - PCRopsis™ Reagent Buccal (see product IFU)
- Test sample

### **Methods:**

1. Thoroughly mix Reagent Buccal to ensure homogeneity, but avoid creating bubbles unnecessarily
  1. Reagent Buccal has a hazy, white color when homogenized and normal settlement occurs if not regularly mixed
2. Elute material from swab:
  1. Add 100~200 µL of Reagent Buccal to the transport tube with the swab
  2. Make sure the swab is at least partially submerged into Reagent Buccal
  3. Vortex for ~30 seconds, 3 times, to elute sample
  4. Press the swab against the walls of the tube to release reagent with cells
3. Specimen lysis & nucleic acid stabilization:
  1. Transfer 50 ~ 100 µL of eluted sample into a thin-walled PCR tube / plate and then cap tube or apply plate sealer to plate to prevent evaporation
  2. Heat at 95°C for 10 minutes
  3. Let cool at room temperature for ~10 seconds before continuing
4. Pipette up & down to ensure complete mixing
5. Use processed sample in your desired downstream applications