



SUGGESTED PROTOCOL: Extraction-free Processing of Dried Swabs

v. 20230206

Sample:

- Sample dried onto a synthetic swab

Materials:

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

Methods:

1. Thoroughly mix Reagent RVD-E to ensure homogeneity, but avoid creating bubbles unnecessarily
 1. Reagent RVD-E has a hazy, white color when homogenized and normal settlement occurs if not regularly mixed
2. Elute material from swab:
 1. Add ~100 µL of Reagent RVD-E to transport tube with swab
 2. Make sure the swab is at least partially submerged into Reagent RVD-E
 3. Vortex for ~30 seconds, 3 times, to elute sample
3. Specimen lysis & nucleic acid stabilization:
 1. Transfer ~50 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
 1. Mammalian: 5 minutes
 2. Viruses: 10~15 minutes
 3. Bacteria: 15~20 minutes
 4. NOTE: heating for a longer period of time does not negatively affect results
 3. Let cool at room temperature for ~10 seconds before continuing
4. Pipette up & down to ensure complete mixing
5. Use lysed / stabilized sample in your desired downstream applications

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