



**SUGGESTED PROTOCOL:  
Extraction-free Processing of Blood Dried onto Filter Paper**

v. 20230206

**Sample:**

- Blood dried onto Whatman Filter paper
- Other samples may be suitable (must be verified by user)

**Materials:**

- Entopsis:
  - PCRopsis™ Reagent RVD with RVD Enhancer (see product IFU)
  - PCRopsis™ Elution Buffer (see product IFU)
- Test sample
- Hole puncher
- Thin-walled PCR tubes
- Heat block or thermocycler

**Methods:**

1. Create hole punches of your test sample using a standard, sterile hole puncher
2. Place 1 hole punched filter paper sample into a 1.5 mL tube
3. Add ~100  $\mu$ L of PCRopsis™ Elution Buffer to the tube
4. Vortex thoroughly for 1~3 minutes to elute material off the filter paper
5. Mix 20  $\mu$ L PCRopsis™ Reagent RVD with RVD Enhancer with 20  $\mu$ L of eluted sample in a thin-walled tube (0.2 ~ 0.6 mL) and cap tubes
6. Heat mixture of reagent + blood sample for 10~15 minutes at 95°C and let cool at room temperature for ~10 seconds before continuing
7. Use 5  $\mu$ L of heated sample (top, clear phase of heated sample) for downstream applications