PCR*opsis* by Entopsis

PROTOCOL: Extraction-free Processing of Serum & Plasma

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Sample:

- Plasma from EDTA blood collection tubes
- Serum from serum blood collection tubes

Materials:

- Entopsis Inc.:
  - PCR*opsis*™ Blood Kit (see product IFU)
- Test sample

Methods:

Prepare Activated Reagent Blood:

1. Briefly vortex PCR*opsis*™ BPS and PCR*opsis*™ Activator.
   a. Briefly centrifuge vials to pool reagents to the bottom
2. Mix the components at the following volumes or ratio:
   a. 10 µL of PCR*opsis*™ BPS
   b. 50 µL PCR*opsis*™ Activator
   c. 940 µL PCR*opsis*™ Reagent Blood
3. This mixture is called Activated Reagent Blood from here onward
   a. Activated Reagent Blood is stable for 4 hours when stored at room temperature and 24 hours when stored at 4˚C

Sample Processing Protocol:

1. Mix 1 volume of Activated Reagent Blood (20 µL) with 1 volume of blood sample (20 µL) in a thin walled tube (0.2 ~ 0.6 mL) or 96-well PCR plate
   1. **For optimal results, the activated reagent needs to be added first to the tube before the sample is added.**
2. Pipette up & down to ensure complete mixing and then cap tube or apply plate sealer to plate to prevent evaporation
3. Let the diluted sample sit at room temperature for 10 minutes
4. Mix the processed sample and use lysed / stabilized sample in your desired PCR procedure
   1. Lysed / stabilized sample should represent 10% ~ 15% of your final PCR mixture (i.e., 2~3 µL sample into a total volume of 20 µL)
   2. You might observe increasing PCR inhibition and / or reduced fluorescent signal when your PCR mixture consist of >20% processed sample