



PCRopsis™ Blood Kit

(NOT FOR RESALE)

v.20230206

INTENDED USE (Research use only. Not for use in diagnostic procedures.)

PCRopsis™ Blood Kit is intended for nucleic acid extraction from plasma and serum.

PRINCIPLES OF THE PROCEDURE

PCRopsis™ Blood Kit is engineered to simultaneously bind a variety of inhibitors found in serum and plasma, lyse microorganisms, and stabilize RNA and DNA in a manner that's compatible with downstream applications. The product consist of a mixture of peptides, salts, stabilizers, buffers, and sodium azide to achieve these tasks. Blood Kit allows for nucleic acid extraction without centrifugations, or other sample manipulations which may introduce errors, contaminants, and/or skew the representation of nucleic acid fragments.

WARNINGS & PRECAUTIONS

For Research Use Only.

- Observe approved biohazard precautions and aseptic techniques to prevent contamination of the product.
- Directions should be read and followed carefully.
- Do not re-pack.
- Do not ingest.

Storage: This product is ready for use and no further preparation is necessary. The product should be transported and stored in its original container at 10–25°C until used. Do not overheat or freeze prior to use. Improper storage will result in a loss of efficacy. Do not use after expiration date, which is printed on the label.

Product Deterioration: PCRopsis™ Blood Kit should not be used if (1) there is evidence of damage or contamination to the product, (2) there is evidence of leakage, (3) the color of the reagent has changed from clear-white hazy, (4) the expiration date has passed, or (5) there are other signs of deterioration.

PROCEDURES

Materials Provided: PCRopsis™ Reagent Blood, PCRopsis™ Activator, PCRopsis™ BPS

Materials Required But Not Provided: Centrifuge, vortexer, thin walled tube (0.2 ~ 0.6 mL) or 96-well PCR plate, plate sealer, pipette tips, and test sample

Prepare Activated Reagent Blood:

1. Briefly vortex PCRopsis™ BPS and PCRopsis™ 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 PCRopsis™ BPS
 - b. 50 µL PCRopsis™ Activator
 - c. 940 µL PCRopsis™ Reagent Blood

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

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 plasma or serum (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 downstream applications

AVAILABILITY – NOT FOR RESALE




One extraction refers to processing one sample

Cat. #	Description		
25500100	PCRopsis™ Blood Kit	100	extractions
25501000	PCRopsis™ Blood Kit	1,000	extractions
25510000	PCRopsis™ Blood Kit	10,000	extractions

MANUFACTURER

Entopsis, Inc., 7600 NW 69th Ave, Medley, FL 33166, USA info@entopsis.com

Glossary of Symbols Used

RUO	Research use only		Storage temperature
REF	Manufacturer's catalog number	STERILE A	Sterile through aseptic techniques
LOT	Lot number		Manufacturer
	Expiration date (year/month)		

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.