

## PT- Rapid test kit for Carbamate & Organophosphate Pesticides residues in food

The PT Carbamate & Organophosphate Test for Agricultural Products is based on the Colloidal Gold Immunochromatography to detect the Carbamate & Organophosphate residues in agricultural products. This kit can be applied for on-site or lab testing by various departments. The LOD may change according to requirement or specimen's difference, please refer to kit instruction for further details. Carbamate & Organophosphate is separated test card can help food manufacturers, regulatory agencies, and the public monitor product quality and help humans protect their health and The PT rapid test high accuracy results, save your time and cost

**The samples and LoD for Carbamate    Sensitivity  $\geq$ 85/% Spec  $\geq$ 95%**

Sample	LOD	Dilution Method
Vegetables and fruits	0.02mg/kg	Add 3mL extract solution to the sample and mix
Potato, sugar cane	0.1mg/kg	Add buffer into the extract at a ratio of 4:1. Such as 40uL buffer with 100uL sample extract
Beet	0.3mg/kg	Such as 140uL buffer with 10uL sample extract

**The samples and LoD for Organophosphate    Sensitivity  $\geq$ 85/% Spec  $\geq$ 95%**

Samples	LOD	Dilution Method
Cabbage (brassica oleracea) cocozelle	0.1mg/kg	Add 3mL extract solution to the sample to mix them up
Orange, apple and lychee	0.2mg/kg	Add 3mL buffer solution and 4ml sample extract to mix samples

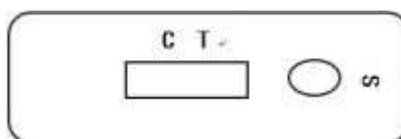
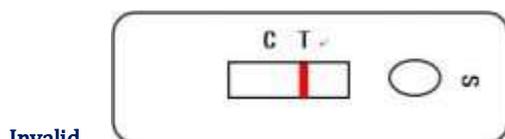
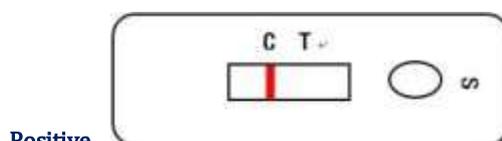
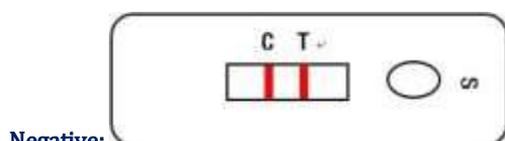
### Procedure Process



a. take 2g of chopped vegetable or fruit samples into a 50mL centrifuge tube, add 3- 4ml of sample extract. Mix them up and down for 3 minutes. Keep it stand. If the extract is turbid or too many impurities, it can be measured after filtering b. Use the dropper to get the sample extract. Add 3-4 drops of the extract to the sample well and wait 3-5 minutes read for results

**Positive: only line C appear/ Negative: line C &T appear**

**Invalid line C does not appear or only the line T appear**



### The Components included

- PT Cassette test card in aluminum foil sealed
- Buffer solution bottle
- Sample extract bottle
- Dropper, Plastic gloves, sample Centrifuge tube 50ml

**Shelf Life:** keep in storage 4-30C in cool dark place, do not freeze. The test card valid for 18 months **Noted:** When take out the test card from foil sealed, must use it within half an hour