

Pesticide Detection Cards (20 tests/kit)

Introduction

Pesticide detection cards consist of chromogenic reagent and cholinesterase are a kind of enzyme test paper. Pesticide detection cards can be used in residue detection of organophosphorus and carbamate which is widely used in pesticide and contain high toxicity. These Pesticide Detection Cards made out of high quality materials with anti-jamming capacity, and could be used independently without other equipment or reagents. They are easy to be stored and easy to carry.

Limit of Detection

The detection limits of pesticide detection card to several common used pesticides are as follows (ppm):

Methamidophos: 1.7	Malathion: 2.0	Isocarbophos: 3.1
Parathion: 1.7	Monocrotophos: 2.5	Acephate: 3.5
Dichlorvos: 0.3	Dimethoate: 1.3	Dipterex: 0.3
Carbofuran: 0.5	Carbaryl: 2.5	Carbosulfan: 1.0

Storage Conditions

Pesticide Detection Cards should be stored at ventilated and dry environment at room temperature.

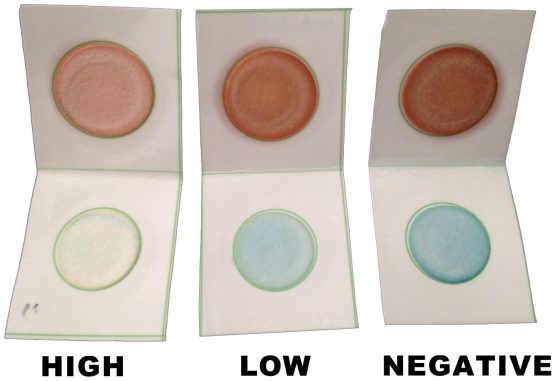
Test Procedure

1. Cut sample into small pieces (~1cm²). Wash the sample with the provided wash solution 1:2 (w:v). For example: add 2mL of wash solution to 1g of sample /or add wash solution until the sample is damped or slightly soaked. Mix/shake wet samples so the pesticide residues can be extracted.
2. Remove the protector film from pesticide detection card. Dip the white disc into the sample solution (from the last step) for about 2 seconds.
3. Take the card out from the sample solution and let the card stand for 10 minutes (put the card into thermostat devise of 37°C if possible)
4. Fold the card in half and pinch the card for 3 minutes. Let the white disc reacts with the red disc during this process.
5. See if there is color changes on the white disc.

For surface detection method: Add 2-3 drops of wash solution onto the surface of the sample, then rub two pieces of samples gently. Then follow the above procedure from Step 2-5.

Reading the Results

Compared with control test:



Positive results / High Pesticide Residue	No color change (white) or just very light blue of the white disc
Low Pesticide Residue	Light blue color / any color lighter than control test
Negative Results / No Pesticide Residue	White disc change to azure or has the same color with the control test card .

Cautions:

- Keep tests away from children.
- The test regions contains chemical. Please wash hands upon contact.
- Do Not eat or drink.
- Store at dry and ventilated environment at room temperature