

Mulberry Leaves Pesticide Residue Rapid Detection Kit (100)



Cat. No. FSD-103

Lot. No. (See product label)

Product Name

Mulberry Leaves Pesticide Residue Rapid Detection Kit (100)

Product Overview

Mulberry Leaves Pesticide Residue Rapid Detection Kit (100) is designed for the detection of pesticide residue in mulberry leaves.

Description

Mulberry Leaves Pesticide Residue Rapid Detection Kit (100) is designed for the detection of pesticide residue in mulberry leaves. This is a color reaction. Compared with blank control test, it is positive result that the white pill doesn't change the color or it just turns light blue. It indicates there is a high pesticide residue that the white pill doesn't change the color, and it indicates there is a relatively low pesticide residue that the white pill turns light blue. While it is negative result that white pill changes blue or has the same color as that of the detecting card in blank control test.

Notes

- 1, This detecting card will be influenced by the temperature and time of the reaction. It is recommended that use pesticide residue rapid detecting apparatus made by our company to do the test if possible, in order to make the result more accurate.
- 2, If room temperature is lower than 20°C, extend the time of reaction. And the time is corresponding to the one of blank control test.
- 3, When using pesticide residue detecting apparatus or in the high temperature and dry condition, if white pill is dry after standing for 10mins in pre-reaction, add some extracting solution or pure water on the white pill to keep it moist.

Scientific Background

The principle of this product is inhibition of cholinesterase. It is suitable for two big types of organophosphorus pesticides and carbamate pesticides.

Detection method

Rapid Detection

Features & Benefits

- 1, This detecting card is very sensitive to pesticide. The result will be disturbed if there are pesticides or safety insecticides around, or the operators or utensils are attached a small quantity of pesticide.
- 2, The time of white pill superimposing red pill is 3 mins. Blue color will be deeper after 3 mins, and the color will fade away after 24 hours.
- 3, There are totally 100 pcs of detecting cards in one package.

Assay Protocol

Integrated detecting method (Primary determine)

- 1, Pick 4-6 pcs of respective mulberry leaves. Wipe off the dirt on the leaves. Drip 2-3 drops of eluant on one of the leaves. And use another leaf to rub the part of the leaf which is dripped the eluant.
- 2, Drip eluant of the above leaf on the white pill of the rapid detecting card.
- 3, Place it for 10mins for pre-reaction. If possible, place it in the incubator at 37 °C for 10mins. The surface of two pills should be moist after pre-reaction.
- 4, Fold the detecting card and pinch it for 3 mins by hand or place it in the thermostat for 3 mins to superimpose the red pill on the white pill for reaction.
- 5, Do a blank control test for each test.

Sensitivity

The lowest limits of Mulberry Leaves Pesticide Residue Rapid Detection Kit (100) to several commonly used pesticides are as follows (Unit: mg/kg):

Name of Pesticide Lowest Detection Limit

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Dichlorvos 0.01
Dipterex 0.1
Methamidophos 1.0
Dimethoate 1.0
Omethoate 1.0
Parathion 1.0
Malathion 2.0
Isocarbophos 5.0
Triazophos 3.0
Carbofuran 0.1
Carbosulfan 0.5
Carbaryl 1.0
Methomyl 1.0

Sample Type

Mulberry Leaves

Storage

It is better to place this product in the refrigerator at 4-10 °C, and the expiration time is one year.

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