

# PYRETHROID TEST KIT



**: Detection for Pesticides Pyrethroid in food**

Asianmedic Co., Ltd [www.asianmedic.com](http://www.asianmedic.com)

**PY**

**TEST KIT**

**: PYRETHROID TEST KIT**

**Detection Limit : peppers , chili = 0.4 mg./kg.**

**(as cypermethrin) Other vegetables & fruit = 0.2 mg./kg**

**Detected Compounds in PY - group**

**: CYPERMETHRIN, CYFLUTHRIN, CYHALOTHRIN,  
DELTAMETHRIN, ESFENVALERATE ,  
FENVALERATE, FENPROPATHRIN**

- -
- \*+

# Equipment, glasswares & PY - reagents



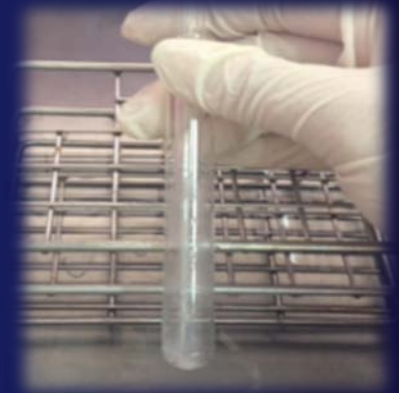
- Equipment : VORTEX MIXER, WATER BATH at 35-40°C., AUTOPIPETTE 10-100  $\mu$ l., AUTOPIPETTE 100-1,000  $\mu$ l., TIMER , RACK, TEST TUBE , PASTURE PIPETTE, FORCEPS, GLASS FUNNEL, PUMP SET

- PY - Reagents compose of :  
BLANK REAGENT , EXTRACT-1,  
EXTRACT-2, PY-1, PY-2, PY-3, PY-4, PY-5,  
PY-6, COTTON WOOL and COLUMN



# PY TEST : Procedure of Testing

- Extraction – Swab the outer part of the sample pass through the Column ➡ Evaporation ➡ “**SAMPLE EXTRACT**” ➡ Testing



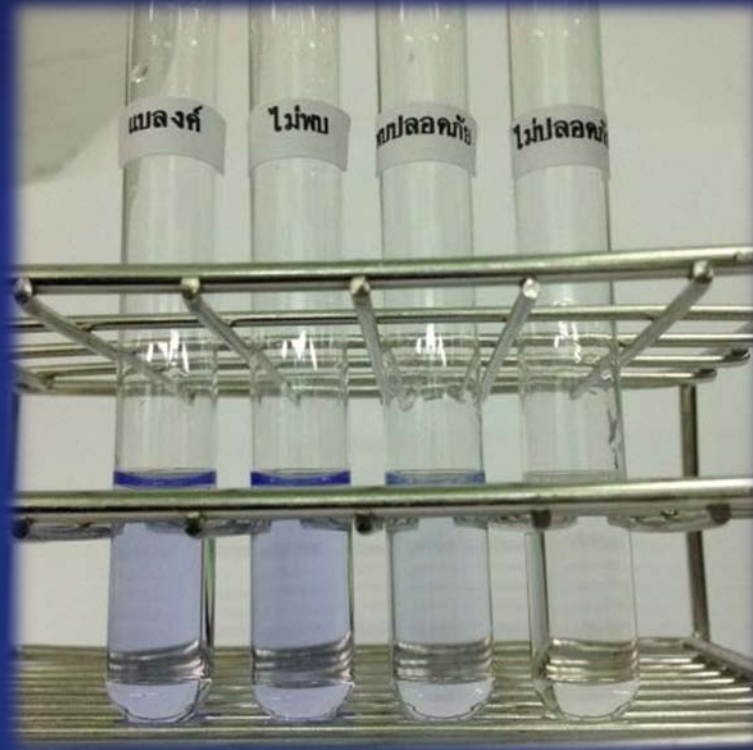
# PY TEST : Procedure of Testing

- **Testing by PY - Kit :**

|  | BLANK TUBE                      | SAMPLE TUBE                      |                             |
|--|---------------------------------|----------------------------------|-----------------------------|
| Reagents   | <b>BLANK REAGENT</b><br>250 ul. | <b>SAMPLE EXTRACT</b><br>250 ul. | Note                        |
| PY-1   | 250 ul.                         | 250 ul.                          | Shake & warm                |
| <p><b>Insert the blank and sample tubes in to the warm water bath at 37°C<br/>( or during 35 - 40°C) for 10 minutes</b></p> <p><b>After 10 mins., take them out of the bath - Add reagents</b></p> |                                 |                                  |                             |
| PY-2   | 750 ul.                         | 750 ul.                          | shake                       |
| PY-3   | 100 ul.                         | 100 ul.                          | shake                       |
| PY-4   | 250 ul.                         | 250 ul.                          | shake                       |
| PY-5   | 500 ul.                         | 500 ul.                          | shake                       |
| PY-6   | 500 ul.                         | 500 ul.                          | Shake & evaluate the result |

# PY TEST : EVALUATION

- Compare the color in the sample tube and the blank tube



| Color in the tube          | Result             |
|----------------------------|--------------------|
| ✦ sample tube $\geq$ BLANK | Not detected       |
| ✦ sample tube $<$ BLANK    | Detected, safe     |
| ✦ No color in sample tube  | Detected, unsafe ☠ |