

FUNGICIDES


: DITHIOCARBAMATE TEST KIT

ชุดทดสอบสารกำจัดเชื้อรา
กลุ่มไดไทโอคาร์บาเมท



By GT TEST KIT

DTC TEST KIT



▶ **Target sample : vegetables & Fruits**

▶ **Target compounds**

FERBAM , MANCOZEB, MANEB,

METRIRAM, MABAM, NABAM,

PROPINEB, THIRAM, ZINEB, ZIRAM,

▶ **Detection Limit : peppers , chili = 0.8 mg./kg.**

Other vegetables & Fruits = 0.4 mg./kg

DTC TEST KIT



- Equipment & glass wares : VORTEX MIXER,
TEST TUBE , RACK , FORCEPS, GLASS FUNNEL
AUTOPIPETTE SIZE 10-100 μ l.,
AUTOPIPETTE SIZE 100-1,000 μ l.,
- DTC REAGENTS compose of :
DTC SOLUTION , DTC-1 , DTC-2 , DTC-3 , DTC-4 ,
DTC-5 , COTTON WOOL

DTC TEST KIT : TESTING



- Extraction – Swab outer part of the sample with DTC solution : ➡

“ **SAMPLE EXTRACT** ”

➡ Testing



DTC TEST KIT : TESTING



- **Testing : by DTC Reagents**

	BLANK TUBE	SAMPLE TUBE	
Reagents	DTC SOLUTION 250 ul.	SAMPLE EXTRACT 250 ul.	NOTE
DTC-1	250 ul.	250 ul.	shake
DTC-2	20 ul.	20 ul.	shake
DTC-3	250 ul.	250 ul.	shake
DTC-4	500 ul.	500 ul.	shake
DTC-5	200 ul.	200 ul.	Shake & Evaluate the result

Observe the color in the tubes

- **Evaluation :**



COLOR IN THE TUBE	RESULT
✦ No color in the sample tube/ color in the sample tube = blank tube	Not detected
✦ A pale violet color in the sample tube	Detected, safe
✦ An obviously violet color appear in the sample tube	Detected, unsafe