

CLICK ON THE UNDERLINED BLUE TEXT FOR DETAILS ON THE PRODUCTS USED IN THIS APPLICATION

## EXTRACTION PROCEDURE

1. Add 15 mL 1% acetic acid in acetonitrile into the 50 mL DisQuE™ extraction tube 1.
2. Diluted 5 g flour with 10 mL water and soak for 10 min.
3. Add sample into the 50 mL tube.
4. Add any internal standards and standard mixture.
5. Shake vigorously for 1 minute and centrifuge > 1500 rcf for 5 minute.
6. Transfer 1 mL of the acetonitrile extract into the clean-up tube 2.
7. Shake for 30 seconds and centrifuge >1500 rcf for 1 minute.
8. Transfer 0.5 mL extract into a tube.
9. Add any post-extraction internal standards.
10. Add 0.25 mL toluene.
11. Evaporate at 50 °C with N<sub>2</sub> to < 0.1 mL.
12. Bring volume up to 0.2 mL with toluene.

## TEST CONDITIONS

### GC Conditions

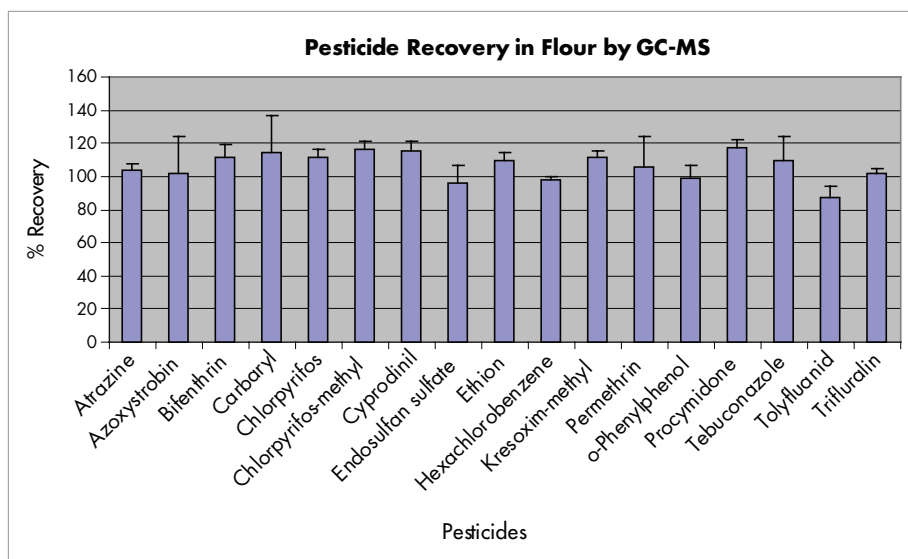
Instrument: Agilent® 6890N GC  
 Column: RTX-5MS, 30 x 0.25 mm, (0.25 µm film)  
 Carrier Gas: Helium  
 Flow Rate: 1.0 mL/min  
 Temp. Program: Initial 100 °C, hold 1 min, then 10 °C/min to 320 °C, hold for 7 minute  
 Injection Volume: 2 µL splitless

### MS Conditions

Instrument: Waters Quattro micro™ GC-MS  
 Ionization: Electron Impact (70 eV)  
 Acquisition: Single Ion Recording (SIR) Mode

## ORDERING INFORMATION

Description	Part Number
DisQuE Dispersive Sample Preparation Kit (100/pk)	<a href="#">176001676</a>
LCGC Certified Vials	<a href="#">186000272C</a>
Insert 300 µL with Poly Spring	<a href="#">WAT094170</a>



Pesticides in Flour by GC-MS.