

## SPE-C18 cartridge

Cat No.	Components	Unit Size
T0010-50	C18 silicon Sorbent	50
T0010-100	C18 silicon Sorbent	100

### Description

Cleanup of matrices is the first, most important, and most critical step for both broad-spectrum screening and accurate determination of pesticides and their metabolites in vegetables, meats, drinks, and fruits. In most cases, solid phase extraction (SPE) methods are used to clean up the extracts before the GC-MS analysis. The ideal SPE material(s) should remove the greatest number of food matrix interferences and offer truly high recoveries for a broad-spectrum of pesticides.

Tribioscience's SPE-C18 column contains C18 silicon sorbent in a 6 mL cartridge. It is used for cleanup of the complicated matrix, including tea, herbs, cannabis, hemp, and other food samples for pesticide residue analysis in GC-MS, and LC-MS analysis processing.

### Applications

The Fast Cleanup SPE-C18 method has been readily accepted by many pesticide residue analysts.

### Storage Conditions

The kit is shipped and stored at RT. Shelf life of 12 months after receipt.

### Procedures

1. Grill the samples: The sample (fruits, vegetables, tobacco, hemp, cannabis, etc.) is grilled into powder.
2. Take 0.5 to 1.0g into 5mL solvent like Acetonitrile (CAN). Vortex for 5-10min.
3. Upload 5mL supernatant into the SPE C-18 column and go through it to clean up the sample by gravity.
4. The clear liquid from cartridge is used for further analysis by gas-liquid chromatography -Mass or liquid-liquid chromatography-Mass.

**For research use only.**