CDIA™ Aldicarb Colloidal Gold Test Cassette, Agricultural Products

Cat. No. : DTSJYJ109
Pkg.Size : 25T

Intended Use
The CDIA™ Aldicarb Colloidal Gold Test Cassette (Agricultural Products) is a lateral flow immunoassay for the detection of aldicarb in agricultural products.

General Description
Aldicarb is one of the most widely used pesticides internationally, and is also one of the most environmentally toxic. Aldicarb is a carbamate insecticide which is the active substance in the pesticide Temik. It is effective against thrips, aphids, spider mites, lygus, fleahoppers, and leafminers, but is primarily used as a nematicide. Aldicarb is a cholinesterase inhibitor which prevents the breakdown of acetylcholine in the synapse. In case of severe poisoning, the victim dies of respiratory failure. The CDIA™ Aldicarb Colloidal Gold Test Cassette (Agricultural Products) is a lateral flow immunoassay for the detection of aldicarb in agricultural products.

Principle Of The Test
Aldicarb antigen is coated on the test region of the nitrocellulose membrane of the strips, and aldicarb antibody is labeled with colloid gold. During a test, the colloid gold labeled antibody coated in the strip move forward along the membrane, and a red line will show up when the antibody gathers with the antigen in the test line. Aldicarb in sample will inhibit the binding of the colloid gold labeled antibody and the antigen in the test line.

Sample
Agricultural Products

Test Format
Kit

Sensitivity
Qualitative: 200 ppb