CDIA™ Imidacloprid Colloidal Gold Test Cassette, Agricultural Products

*Cat. No. : DTSJJYJ106*
*Pkg.Size : 25T*

**Intended Use**

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

**General Description**

Imidacloprid is a systemic insecticide which acts as an insect neurotoxin and belongs to a class of chemicals called the neonicotinoids. Imidacloprid belongs to the first generation neonicotinoids, and has been used to protect a wide range of crops such as vegetables, rice, cotton, fruit, tobacco and cereals. Imidacloprid is the most widely used insecticide of this class. One of the most serious problems of the neonicotinoids is their toxicity to honey bees. As a consequence of the wide application of neonicotinoids, their residues may occur in agricultural products such as fruits and vegetables and, potentially, pose a hazard for consumers. The CDIA™ Imidacloprid Colloidal Gold Test Cassette (Agricultural Products) is a lateral flow immunoassay for the detection of imidacloprid in agricultural products.

**Principle Of The Test**

Imidacloprid antigen is coated on the test region of the nitrocellulose membrane of the strips, and imidacloprid 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. Imidacloprid 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