CDIA™ Chlorothalonil Colloidal Gold Test Cassette, Agricultural Products

Cat. No. : DTSJJYJ101
Pkg. Size : 25T

Intended Use

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

General Description

Chlorothalonil (CTL) is one of the most popular fungicides that belongs to the group of halogenated benzonitriles. Over the past two decades, CTL has been widely applied in agriculture to control fungal diseases, but residual CTL was detected in vegetables, crops, soils, and environmental water and aroused health concerns due to its high toxicity. In addition, environmental CTL is also highly toxic to fish, birds, and aquatic invertebrates. Consequently, it is listed as a probable human carcinogen by the National Environmental Protection Agency (USA). The CDIA™ Chlorothalonil Colloidal Gold Test Cassette (Agricultural Products) is a lateral flow immunoassay for the detection of chlorothalonil in agricultural products.

Principle Of The Test

Chlorothalonil antigen is coated on the test region of the nitrocellulose membrane of the strips, and chlorothalonil 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. Chlorothalonil 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: 500 ppb