CREATIVE BIOMART®
Assay Kit

Sulfamethazine & Sulfadimethoxine Chromatographic Kit

Product Information

Cat.No. Kit-1914

Product Overview

Detection principle of the SMT/SDM milk, one-step rapid immunoassay reagents for the use of antigen, antibody specificity of binding, as a competitive response of chromatography. Test procedure is very simple, the hole detection test milk was added dropwise for 5 minutes, by capillary action, the milk in this process will be a monoclonal antibody in the reagent - the combination of the mixed emulsion, if the milk does not contain SMT/SDM, the in the film there will be two colored lines, with the increase in milk SMT/SDM concentration of the antibodies - the probability of latex binding protein binding to the membrane body and relatively lower, so the color of the lower part of the spray line is lighter.

Description

Sulfamethazine (Sulfamethazine, SMT) and sulfadimethoxine (Sulfadimethoxine, SDM) is a sulfonamide of these chemical substances to treat cholera and poultry coccidiosis in poultry, animals subjected to long-term if the sulfonamides treatment of disease will cause chronic poisoning, the hematopoietic system disability (such as hemolytic anemia, pancytopenia phenomenon). Improper use of sulfa drugs can cause resistant bacteria in the human body. Therefore, developing countries are now added to the feed ban and requirements of each sulfonamide residues in edible tissues and therefore this drug residue detection is very important poultry circulation area of a major issue.For SMT/SDM detection, domestic direct detection units are all done using HPLC analysis instrument. In addition to the high cost of trace analysis instrument for detecting slow, generally takes two to three days, the market is not only keep up with the speed of poultry slaughter and trafficking, while complex operation, and the operation is a higher quality of personnel needs, so in the promotion or seizure the body has difficulty detecting the number of loads. Current domestic demand for livestock products quality gradually improved, especially in response to opening WTO agricultural imports, domestic and foreign livestock and poultry products will be a lot of communication, detection unit detects a problem if the product can not be in a short time, the health of the people and the country''s image is undoubtedly a major threat. For the effective implementation of the drug residue testing, in response to a large number of random

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testing ratio, the company developed the SMT/SDM milk, one-step rapid immunoassay test kits, in addition to shortening the detection time, the pre-screening tool and as a large number of instrumental analysis, significantly reducing SMT/SDM detects the cost of milk.

Kit Components

1. Trace test hole: (Microtiter well, each 8 wells), each containing 12 reagent2. Qualitative test colloid - antibody conjugate solution: (stored at 2-8 °C)Sulfamethazine (SMT) colloid - antibody conjugate solution (2 mL/1 bottle)Sulfadimethoxine (SDM) colloid - antibody conjugate solution (2 mL/1 bottle)3. Simple chromatographic test piece: (stored at 2-8 °C)Sulfamethazine (SMT)/sulfadimethoxine (SDM) Simple chromatography test piece, 16 per pack, each containing six pack reagents4. A small straw bag, 96 per pack5. trace test hole frame 12 X 2 holes, each one

Compatible Sample Types

Milk

Features & Benefits

• No instrumentation required• High specificity• High sensitivity• Highly reproducibility• Quick results

Sensitivity

Sample ppbmilk 10

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