

Product information

Product name: Chloramphenicol rapid test strip

Product number: EC-2

General Description: Chloramphenicol is a bacteriostatic antimicrobial originally derived from the bacterium *Streptomyces venezuelae*. It was the first antibiotic to be manufactured synthetically on a large scale, and alongside the tetracyclines, is considered the prototypical broad-spectrum antibiotic. Chloramphenicol is effective against a wide variety of Gram-positive and Gram-negative bacteria, including most anaerobic organisms. The most serious adverse effect associated with chloramphenicol use is bone marrow toxicity, which may occur in two distinct forms: bone marrow suppression, which is a direct toxic effect of the drug and is usually reversible, and aplastic anemia, which is idiosyncratic (rare, unpredictable, and unrelated to dose) and generally fatal. A screening method for chloramphenicol-residues in milk samples was licensed officially in Germany in September 1998 (§35 LMBG).

Principle: The Chloramphenicol chromatographic diagnostic kit is based on the specific immuno-chemical reactions between antigen and antibody. It relies on the competition between Chloramphenicol residues in the sample and the Chloramphenicol immobilized on T line on the membrane for the Chloramphenicol antibody-dye conjugate.

Specifications

Format: 10 tests/kit

Sensitivity: 0.1 ppb

Detection limit: fish, shrimp, squid and other sea food, chicken, pig – 0.3 ppb

Detection time: 7 min

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