

Product information

Antibody name: anti-chloramphenicol

Product number: C01S-2

Quantity: 5 ml

Clonality/purity: polyclonal antibodies

Host: rabbit

Immunogen: chloramphenicol conjugated to BSA by derivatisation of OH-groups using succinate

Applications: ELISA. Optimal dilutions are dependent on conditions and should be determined by the user. Other applications not tested.

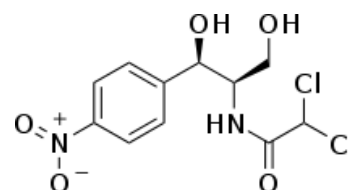
Specificity: reacts with chloramphenicol

Storage buffer: Phosphate buffered saline, pH 7.2; 0.05% Sodium Azide (NaN₃)

Storage: Store at +4°C up to one month or in aliquots at -20°C for longer. Avoid repeated freezing and thawing.

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.

Related products: the antibodies are available in the form of ELISA-tests and immunosticks for rapid sample preparation. Please, contact us for information on these products.



Structure of chloramphenicol

For research purposes only