

## Product information

**Antibody name:** anti-chloramphenicol

**Product number:** C01S-1

**Quantity:** 0.5 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.

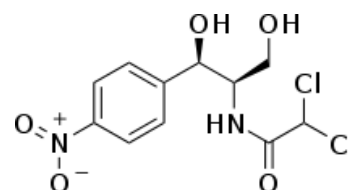
**Specificity:** reacts with chloramphenicol

**Storage buffer:** Phosphate buffered saline, pH 7.2; 0.05% Sodium Azide (NaN<sub>3</sub>)

**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*