



Chloramphenicol [BSA], Lyophilized Powder (DAG4436)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Chloramphenicol, BSA-conjugated
Specificity	Chloramphenicol and Derivatives
Species	N/A
Purity	> 95% , G25 Sephadex size exclusion chromatography
Conjugate	BSA
Applications	ELISA, approximately 0.5 µg/mL.
Format	Lyophilized Powder
Size	2 mg, 5 mg
Preservative	0.01% Sodium Azide
Storage	For extended storage, store product at 4°C. Expiration date is one year from date of shipping if properly stored.

BACKGROUND

Introduction	Chloramphenicol is a semisynthetic, broad-spectrum antibiotic derived from <i>Streptomyces venequelae</i> with primarily bacteriostatic activity. Chloramphenicol diffuses through the bacterial cell wall and reversibly binds to the bacterial 50S ribosomal subunit. The binding interferes with peptidyl transferase activity, thereby prevents transfer of amino acids to the growing peptide chains and blocks peptide bond formation. As a result bacterial protein synthesis is blocked and impede bacterial cell proliferation.
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Keywords

Chloremphenicol; chloramphenicol; Chloromycetin; Chlornitromycin; Levomycetin;
Chloramphenicol BSA conjugate; drug-BSA conjugate, drug-conjugate
