



Bacitracin [HRP] (DAG1043)

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

PRODUCT INFORMATION

Product Overview	Bacitracin, HRP conjugate
Antigen Description	Bacitracin is a mixture of related cyclic polypeptides produced by a member of the <i>Bacillus subtilis</i> group. Unlike most antibiotics its use is limited in oral administration and typical methods of application are by adsorption through the skin where the drug degrades the bacterial cell wall in Gram positive bacteria by blocking the dephosphorylation of the C55-isoprenyl pyrophosphate, an important molecule in the process of building the bacterial cell wall. Its main application is for fowl animals such as chickens in the form of an antibiotic drug and no MRLs have yet been established for this drug.
Species	N/A
Conjugate	HRP
Format	Concentrate
Size	0.5 ml
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Bacitracin is a mixture of related cyclic polypeptides produced by organisms of the licheniformis group of <i>Bacillus subtilis</i> var Tracy, first isolated in 1945. These peptides disrupt both gram positive and gram negative bacteria by interfering with cell wall and peptidoglycan synthesis. Bacitracin is used as a topical preparation (since it is toxic and has poor oral bioavailability). In terms of adverse reactions only, in comparison with bacitracin, white petrolatum possesses an equally low infection rate and minimal risk for induction of allergy.
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