



Polymyxin B [Biotin] (DAG3114)

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

PRODUCT INFORMATION

Product Overview	Polymyxin B, biotin-conjugated
Species	N/A
Conjugate	Biotin
Applications	Biotinylated PMB can be used in immuno assays.
Format	Liquid
Size	0.2 ml
Buffer	PBS
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Polymyxin B is an antibiotic primarily used for resistant Gram-negative infections. It is derived from the bacterium <i>Bacillus polymyxa</i> . Polymyxin B is a mixture of two closely related compounds, polymyxin B1 and polymyxin B2. It has a bactericidal action against almost all Gram-negative bacilli except the <i>Proteus</i> group. Polymyxins bind to the cell membrane and alter its structure, making it more permeable. The resulting water uptake leads to cell death. Polymyxins are cationic, basic proteins that act like detergents (surfactants). Side effects include neurotoxicity and acute renal tubular necrosis. Polymyxins are used in the topical first-aid preparation Neosporin.
Keywords	Polymyxin B; PMB; N-[4-amino-1-[[1-[[4-amino-1-oxo-1-[[6,9,18-tris(2-aminoethyl)-15-benzyl-3-(1-hydroxyethyl)-12-(2-methylpropyl)-2,5,8,11,14,17,20-hepta-oxo-1,4,7,10,13,16,19-

