



Piperacillin [HSA-Biotin] (DAG489S)

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

PRODUCT INFORMATION

Antigen Description	Piperacillin, covalently linked to biotinylated serum albumin
Species	N/A
Purity	chromatography, dialysis
Conjugate	HSA-Biotin
Applications	e.g. allergy test, immunoassays etc.
Molecular Weight	app. 65 kDa
Format	Liquid
Concentration	1 mg/mL, conjugation ratio is app. 1:10 - 1:40.
Size	1 mg
Buffer	PBS
Preservative	0.05% sodium azide
Storage	Store at 4°C.

BACKGROUND

Introduction	Piperacillin is a broad-spectrum semisynthetic, ampicillin-derived ureidopenicillin antibiotic. Piperacillin binds to penicillin binding proteins (PBP), the enzymes that catalyze the synthesis of peptidoglycan, a critical component of the bacterial cell wall. This blockade leads to the interruption of cell wall synthesis, consequently, leading to bacterial cell growth inhibition and cell lysis.
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Keywords

drug-HSA-Biotin conjugate, drug-conjugate, piperacillin HSA-Biotin conjugate
