



## Piperacillin [HSA] (DAG190S)

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

### PRODUCT INFORMATION

Antigen Description	Piperacillin, covalently linked to human serum albumin
Species	N/A
Purity	chromatography, dialysis
Conjugate	HSA
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	<p>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.</p>
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**Keywords**

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

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