

## Ampicillin, BSA-conjugate

DAG4462 chemosynthetic  
Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product overview</b>	Ampicillin, BSA-conjugate
<b>Description</b>	The ampicillin sodium salt and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The carboxyl group in the ampicillin is directly linked to an amine group in the BSA, and/or a carboxyl group in the BSA is directly l
<b>Species</b>	chemosynthetic
<b>Conjugate</b>	BSA
<b>Applications</b>	The ampicillin, BSA-conjugate has been shown to be recognized by ampicillin-specific antibodies by ELISA and lateral flow based immunoassay, respectively.
<b>Usage</b>	Used as capture antigen for the detection of anti-ampicillin antibodies and as immunogen for the generation of ampicillin antibodies.
<b>Notes</b>	for research use only

### PACKAGING

<b>Storage</b>	Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3 weeks) keep at 4°C.
<b>Concentration</b>	2.0 mg/ml
<b>Buffer</b>	BSA(in 20 mM PBS, pH 7.4)

### BACKGROUND

<b>Introduction</b>	Ampicillin is a beta-lactam antibiotic that is part of the aminopenicillin family and is roughly equivalent to its successor, amoxicillin in terms of spectrum and level of activity. It can sometimes result in reactions that range in severity from a rash (in the case of patients that may unwittingly have mononucleosis) to potentially lethal allergic reactions such as anaphylaxis. However, as with other penicillin drugs, it is relatively non-toxic and adverse effects of a serious nature are encountered only rarely
<b>Keywords</b>	Ampicillin; beta-lactam antibiotic; (2S,5R,6R)-6-([(2R)-2-amino-2-phenylacetyl]amino)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid; ampicillin,cilleral,principen; lifeampil; morepen; nci-c56086; pensyn; ro-ampen; trafarbiot

### REFERENCES

1. Mosby's Drug Consult 2006 (16 ed.). Mosby, Inc.. 2006.
2. Katzung, Bertram G. (2007). Basic and Clinical Pharmacology, 10th edition. New York, NY: McGraw Hill Medical. pp. 733. ISBN 978-0-07-145153-6.