



# Amoxicillin [BSA] (DAG4461)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Amoxicillin, BSA-conjugate
<b>Antigen Description</b>	The amoxicillin 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 amoxicillin is directly linked to an amine group in the BSA, and/or a carboxyl group in the BSA is directly linked to the amine group in the amoxicillin, without any linker by EDC conjugation method. Given the molecular weights of amoxicillin and BSA are 365.4 Da and 66.4 kDa, respectively, the molar ratio of amoxicillin:BSA in the conjugation solution is 182:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of amoxicillin that is actually conjugated to each BSA molecule is not determined.
<b>Species</b>	N/A
<b>Conjugate</b>	BSA
<b>Applications</b>	Used as capture antigen for the detection of anti-amoxicillin antibodies and as immunogen for the generation of amoxicillin antibodies.
<b>Format</b>	Liquid
<b>Concentration</b>	2.0 mg/mL BSA
<b>Size</b>	1 mg
<b>Buffer</b>	Supplied in 20 mM PBS, pH 7.4
<b>Preservative</b>	None
<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.

## BACKGROUND

**Introduction**

Amoxicillin is an antibiotic that belongs to a class of antibiotics called penicillins. Other members of this class include ampicillin, piperacillin, ticarcillin and a several others. These antibiotics are very similar to penicillin. They stop bacteria fr

**Keywords**

Amoxicillin; amox; AMOXICILLIN T TRIHYDRATE; AMOXICILIN TRIHYDRATE; AMOXYCILLIN TRIHYDRATE; abicyclo[3.2.0]heptane-2-carboxylicacidtrihydrate; alpha-amino-p hydroxybenzylpenicillin; amolin; amopenixin; amoxi; amoxicillinstandardsolution; amoxicillintrhydr