

I-3025: Amoxicillin-BSA Conjugate

Product Name:	Amoxicillin-BSA Conjugate
Catalogue No:	I-3025
Conjugation method:	EDC
Linker:	None
Number of Amoxicillin per BSA:	Not determined
Concentration:	2.0 mg/ml BSA (in 20 mM PBS, pH 7.4)
Storage:	Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3 weeks) keep at 4°C.
Applications:	Used as capture antigen for the detection of anti-amoxicillin antibodies and as immunogen for the generation of amoxicillin antibodies.

Brief description:

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.

The amoxicillin-BSA conjugate has been shown to be recognized by amoxicillin-specific antibodies by ELISA and lateral flow based immunoassay, respectively.

PLEASE note that this product is intended for research use only; not for diagnostic or clinical use.

(Produced by Imgen BioSciences, Inc., November, 2010)