

## I-3034: Bacitracin-BSA Conjugate

<b>Product Name:</b>	Bacitracin-BSA Conjugate
<b>Catalogue No:</b>	I-3034
<b>Conjugation method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Bacitracin per BSA:</b>	Not determined
<b>Concentration:</b>	2.0 mg/ml BSA (in 20 mM PBS, pH 7.4)
<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>Applications:</b>	Used as capture antigen for the detection of anti-bacitracin antibodies and as immunogen for the generation of bacitracin antibodies.

### **Brief description:**

The bacitracin zinc salt and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. One or more of the three amine groups in the bacitracin are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of bacitracin zinc salt and BSA are 1486.07 Da and 66.4 kDa, respectively, the molar ratio of bacitracin:BSA in the conjugation solution is 45:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of bacitracin that is actually conjugated to each BSA molecule is not determined.

The bacitracin-BSA conjugate has been shown to be recognized by bacitracin-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)