

I-3002: Cloxacillin-BSA Conjugate

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| Product Name: | Cloxacillin-BSA Conjugate |
| Catalogue No: | I-3002 |
| Conjugation method: | EDC |
| Linker: | None |
| Number of Cloxacillin 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-cloxacillin antibodies and as immunogen for the generation of cloxacillin antibodies. |

Brief description:

The cloxacillin sodium 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 cloxacillin is directly linked to an amine group in the BSA without any linker by EDC conjugation method. Given the molecular weights of cloxacillin sodium and BSA are 475.88 Da and 66.4 kDa, respectively, the molar ratio of cloxacillin:BSA in the conjugation solution is 140:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of cloxacillin that is actually conjugated to each BSA molecule is not determined.

The cloxacillin-BSA conjugate has been shown to be recognized by cloxacillin-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., July, 2010)