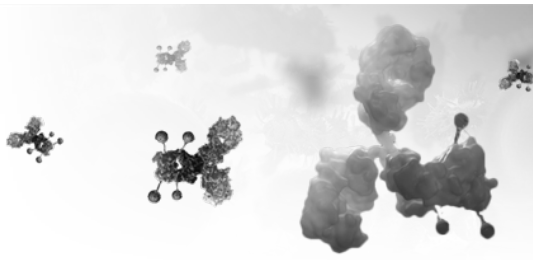

Cloxacillin [BSA] (DAG4467)

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

PRODUCT INFORMATION

Product Overview	Cloxacillin, BSA-conjugate
Antigen 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.
Species	N/A
Conjugate	BSA
Applications	Used as capture antigen for the detection of anti-cloxacillin antibodies and as immunogen for the generation of cloxacillin antibodies. The cloxacillin-BSA conjugate has been shown to be recognized by cloxacillin-specific antibodies by ELISA and lateral flow based immunoassay, respectively.
Format	Liquid
Concentration	2.0 mg/ml BSA
Size	1 mg
Buffer	Supplied in 20 mM PBS, pH 7.4
Preservative	None
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.

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BACKGROUND

Introduction	Cloxacillin is a semisynthetic antibiotic in the same class as penicillin. Cloxacillin was discovered and developed by Beecham. It is sold under a number of trade names, including Cloxapen, Cloxacap, Tegopen and Orbenin.
Keywords	Cloxapen; Cloxacap; Tegopen and Orbenin; Cloxacillin

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