

I-3022: Ceftazidime-BSA Conjugate

Product Name:	Ceftazidime-BSA Conjugate
Catalogue No:	I-3022
Conjugation method:	EDC
Linker:	None
Number of Ceftazidime 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:	Potentially used as capture antigen for the detection of anti-ceftazidime antibodies and as immunogen for the generation of ceftazidime antibodies.

Brief description:

The ceftazidime hydrate 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 ceftazidime 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 ceftazidime, without any linker by EDC conjugation method. Given the molecular weights of ceftazidime hydrate and BSA are 546.58 Da and 66.4 kDa, respectively, the molar ratio of ceftazidime:BSA in the conjugation solution is 121:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of ceftazidime that is actually conjugated to each BSA molecule is not determined.

The ceftazidime-BSA conjugate has not been tested for either its immunogenicity of the conjugated ceftazidime in generating ceftazidime-specific antibodies in animals or its immunoreactivity to specific antibodies.

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

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