

## I-3037: Sulfadimidine-BSA Conjugate

<b>Product Name:</b>	Sulfadimidine-BSA Conjugate
<b>Catalogue No:</b>	I-3037
<b>Conjugation Method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Sulfadimidine 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-sulfadimidine antibodies and as immunogen for the generation of sulfadimidine antibodies.

### Brief Description:

The sulfadimidine and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The amine group in the sulfadimidine is directly linked to a carboxyl group in the KLH without any linker by EDC conjugation method. Given the molecular weights of sulfadimidine and BSA are 278.33 Da and 66.4 kDa, respectively, and the molar ratio of sulfadimidine:BSA in the conjugation solution is 239:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of sulfadimidine that is actually conjugated to each BSA molecule is not determined.

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

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

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