

I-3043: Melamine-BSA Conjugate

Product Name:	Melamine-BSA Conjugate
Catalogue No:	I-3043
Conjugation Method:	EDC
Linker:	None
Number of Melamine 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-melamine antibodies and as immunogen for the generation of melamine antibodies.

Brief Description:

The melamine 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 melamine are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of melamine and BSA are 126.12 Da and 66.4 kDa, respectively, the molar ratio of melamine:BSA in the conjugation solution is 526:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of melamine that is actually conjugated to each BSA molecule is not determined.

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