



## Gentamicin [BSA] (DAG4468)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Gentamicin, BSA-conjugate
<b>Antigen Description</b>	The gentamicin sulfate 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 four amine groups in the gentamicin are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of gentamicin sulfate and BSA are 449.5 - 477.6 Da and 66.4 kDa, respectively, the molar ratio of gentamicin:BSA in the conjugation solution is 139 - 148:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of gentamicin that is actually conjugated to each BSA molecule is not determined.
<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Species</b>	N/A
<b>Conjugate</b>	BSA
<b>Applications</b>	Used as capture antigen for the detection of anti-gentamicin antibodies and as immunogen for the generation of gentamicin antibodies. The gentamicin-BSA conjugate has been shown to be recognized by gentamicin-specific antibodies by ELISA and lateral flow based immunoassay, respectively.
<b>Procedure</b>	None
<b>Format</b>	Liquid
<b>Concentration</b>	2.0 mg/ml BSA
<b>Size</b>	1 mg
<b>Buffer</b>	Supplied in 20 mM PBS, pH 7.4
<b>Preservative</b>	None
<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>Warnings</b>	PLEASE note that this product is intended for research use only; not for diagnostic or clinical use.

# BACKGROUND

## Introduction

Gentamycin is an aminoglycoside antibiotic used to treat infections caused by many different types of bacteria. Gentamycin is usually administered by intravenous infusion or intramuscular injection.

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## Keywords

GENTAMICIN; GENTAMYCIN; GENTAMYCINE; GentamysinsolutionforBiochemistry; Gentacycol; Gentavet; GENTAMICINUM; Refobacin tm; Uromycine; Gentamicin (base and/or unspecified salts)

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