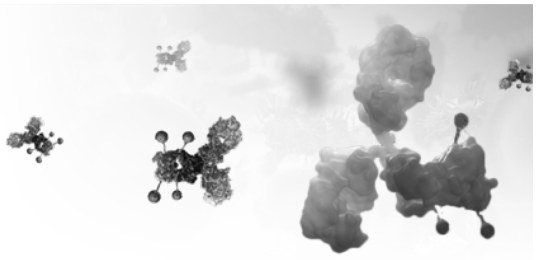

Ceftazidime [BSA] (DAG4466)

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

PRODUCT INFORMATION

Product Overview	Ceftazidime, BSA-conjugate
Antigen 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.
Species	N/A
Conjugate	BSA
Applications	Potentially used as capture antigen for the detection of anticeftazidime antibodies and as immunogen for the generation of ceftazidime antibodies. Note: 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.
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	Ceftazidime (INN) is a third-generation cephalosporin antibiotic. Like other third-generation cephalosporins, it has broad spectrum activity against Gram-positive and Gram-negative bacteria. Unlike most third-generation agents, it is active against Pseudomonas aeruginosa, however it has weaker activity against Gram-positive microorganisms and is not used for such infections. Ceftazidime pentahydrate is marketed under various trade names including Cefzim (Pharco B International), Fortum (GSK), and Fortaz.
Keywords	cazpentahydrate; gr20263pentahydrate; innersalt,(6r-(6-alpha,7-beta(z)))-droxidpentahydrate; sn401pentahydrate; CEFTAZIME; Kefazim; (6R,7R)-7-[[(2Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(1-hydroxy-2-methyl-1-oxopropan-2-yl)oxyiminoacetyl]amino]-8-oxo-3-(pyridi

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