



Cefaclor [HSA] (DAG262S)

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

PRODUCT INFORMATION

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| Antigen Description | Cefaclor, covalently linked to human serum albumin |
| Species | N/A |
| Purity | chromatography, dialysis |
| Conjugate | HSA |
| Applications | e.g. allergy test, immunoassays etc. |
| Molecular Weight | app. 65 kDa |
| Format | Liquid |
| Concentration | 1 mg/mL, conjugation ratio is app. 1:10 - 1:40. |
| Size | 1 mg |
| Buffer | PBS |
| Preservative | 0.05% sodium azide |
| Storage | Store at 4°C. |

BACKGROUND

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| Introduction | <p>Cefaclor is a cephalosporin bearing chloro and (R)-2-amino-2-phenylacetamido groups at positions 3 and 7, respectively, of the cephem skeleton. It has a role as an antibacterial drug and a drug allergen.</p> <p>Cefaclor Anhydrous is the anhydrous form of cefaclor, a beta-lactam, second-generation cephalosporin with antibacterial activity. Cefaclor binds to and inactivates penicillin-binding proteins (PBPs) located on the inner membrane of the bacterial cell wall. Inactivation of PBPs</p> |
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interferes with the cross-linkage of peptidoglycan chains necessary for bacterial cell wall strength and rigidity. This results in the weakening of the bacterial cell wall and causes cell lysis.

Keywords

drug-HSA conjugate, drug-conjugate, Cefaclor HSA conjugate
