

THE DYNAMIC DUO

# AYEBAC

Ceftazidime 2 gm and Avibactam 0.5 gm  
(As Sodium Salt) Powder for concentrate for solution for infusion

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## DESCRIPTION

**AYEBAC** (Ceftazidime 2 gm and Avibactam 0.5 gm) is an intravenously administered combination of the third-generation cephalosporin, Ceftazidime and the novel, non  $\beta$ -lactam,  $\beta$ -lactamase inhibitor Avibactam.

## INDICATION

**AYEBAC** is indicated in the treatment of the following infections:

- ⦿ Complicated intra-abdominal infection (cIAI)
- ⦿ Complicated urinary tract infection (cUTI), including pyelonephritis
- ⦿ Hospital-acquired pneumonia (HAP), including ventilator associated pneumonia (VAP)

## MECHANISM OF ACTION

- ⦿ Ceftazidime inhibits bacterial peptidoglycan cell wall synthesis following binding to penicillin binding proteins (PBPs), which leads to bacterial cell lysis and death.
- ⦿ Avibactam is a non  $\beta$ -lactam,  $\beta$ -lactamase inhibitor that acts by forming a covalent adduct with the enzyme that is stable to hydrolysis.
- ⦿ It inhibits both Ambler class A and class C  $\beta$ -lactamases and some class D enzymes, including extended-spectrum  $\beta$ -lactamases (ESBLs), KPC and OXA-48 carbapenemases, and AmpC enzymes.

## DOSAGE AND ADMINISTRATION

Dosage in Adults with Creatinine Clearance (CrCl >50 mL/min):

- ⦿ The recommended dosage of Ayebac in adults is 1 vial where each vial contains 2 g ceftazidime and 0.5 g avibactam administered by intravenous (IV) infusion over 2 hours.
- ⦿ Treatment is repeated every 8 hours.

## PRESENTATION

**AYEBAC** is supplied as Powder for concentrate for solution for infusion.

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