CEFTAZIDIME/AVIBACTAM

BRAND NAME  ZAVICEFTA, AVYCAZ

DRUG CLASS  Cephalosporin antibiotic with beta lactamase inhibitor

AVAILABILITY  Vial contains 2000 mg of ceftazidime and 500 mg of avibactam as avibacatam sodium. Also contains sodium carbonate. Contains 146 mg (6.4 mmol) of sodium.¹,²

WARNING  Contraindicated in patients with severe hypersensitivity to penicillins, carbapenems and cephalosporin antibiotics.

pH  No information

PREPARATION  Reconstitute the vial with 10 mL of water for injections. Shake gently to dissolve. Insert an airway needle to relieve pressure and avoid product loss. The solution is clear and colourless to yellow.¹,² The volume is approximately 12 mL and the concentration is 167 mg/mL of ceftazidime and 42 mg/mL of avibactam.¹,² For a 1000 mg/250 mg dose use 6 mL, and for a 750 mg/187.5 mg dose use 4.5 mL.¹,²

STABILITY  Vial: store below 30 °C. Protect from light.¹,² Zaficefta reconstituted solution: stable for 12 hours below 25 °C or 24 hours at 2 to 8 °C.¹ Avycaz reconstituted solution: use within 30 minutes of reconstitution.² Infusion solution: stable for 12 hours below 25 °C or 24 hours at 2 to 8 °C.¹,²

ADMINISTRATION
- **IM injection**: Not recommended
- **SUBCUT injection**: Not recommended
- **IV injection**: Not recommended
- **IV infusion**: Dilute the dose in 100 mL of a compatible fluid and infuse over 2 hours.¹,² A volume of 50 mL can be used if necessary. The 2000 mg/500 mg dose can be diluted in 250 mL of compatible fluid if preferred.²

COMPATIBILITY

**Fluids**  Glucose 5%¹,², Hartmann’s¹,², sodium chloride 0.9%¹,², sodium chloride 0.45% and glucose 2.5%.¹,²

**Y-site**  Avycaz at 20 mg/5 mg/mL - argipressin, azithromycin, aztreonam, ceftaroline fosamil, colistin, daptomycin, dexamethomidine, dopamine, furosemide, imipenem-cilastin, magnesium sulfate, metronidazole, noradrenaline (norepinephrine), phenylephrine, vecuronium²
  Avycaz at 20 mg/5 mg/mL in sodium chloride 0.9% - meropenem²
  Avycaz at 20 mg/5 mg/mL in glucose 5% - sodium bicarbonate²
  Avycaz at 20 mg/5 mg/mL in sodium chloride 0.9% or glucose - ertapenem²
  Avycaz at 20 mg/5 mg/mL in glucose 5% or Hartmann’s - heparin sodium, linezolid²

INCOMPATIBILITY

**Fluids**  No information

**Drugs**  Aminoglycosides - amikacin, gentamicin, tobramycin³

SPECIAL NOTES  Monitor the infusion site, may cause phlebitis.¹

REFERENCES

Australian Injectable Drugs Handbook 7th Edition September 2019