RANITIDINE

BRAND NAME RANITIDINE SANDOZ, ZANTAC

DRUG CLASS H₂ antagonist

AVAILABILITY Zantac ampoule contains 50 mg/2 mL of ranitidine as ranitidine hydrochloride.

Also contains monobasic potassium phosphate, sodium chloride and dibasic sodium

phosphate.

Ranitidine Sandoz ampoule contains 50 mg/5 mL of ranitidine as ranitidine

hydrochloride. Also contains sodium hydroxide.1 The solution is clear and colourless to pale yellow.²

Zantac: 71 рΗ

PREPARATION Not required

STABILITY Ampoule: store below 25 °C.1 Ranitidine Sandoz: protect from light.1

Infusion solutions prepared with Zantac are stable for 24 hours.¹

Infusion solutions of Ranitidine Sandoz in sodium chloride 0.9%, sodium bicarbonate 4.2% or Hartmann's are stable for 24 hours at 2 to 8 °C. Solutions in glucose 5% or

glucose 4% and sodium chloride 0.18% are stable for 8 hours at 2 to 8 °C.1

ADMINISTRATION

IM injection Suitable. Inject undiluted.³

SUBCUT injection Suitable for use in palliative care as an intermittent injection or continuous

subcutaneous infusion.4

IV injection IV infusion

Dilute 50 mg with 20 mL of sodium chloride 0.9% and inject over at least 5 minutes.¹

Dilute 50 mg in 100 mL of compatible fluid and infuse over 15 to 20 minutes³ or over

2 hours (25 mg/hour).1

May also be given as a continuous infusion. Dilute 150 mg in 250 mL of compatible

fluid and infuse at a rate of 6.25 mg/hour over 24 hours.3

IV use for infants and children

Dilute to 2.5 mg/mL and inject over at least 5 minutes.

The maximum rate is 10 mg/minute. Or dilute to less than 0.5 mg/mL and infuse over

15 to 20 minutes or as a continuous infusion.⁵

COMPATIBILITY

Fluids

Glucose 5%¹, glucose 10%³, Hartmann's¹, sodium bicarbonate 4.2%¹, sodium chloride

0.9%¹, sodium chloride in glucose solutions¹

Y-site Aciclovir³, amifostine³, amikacin⁶, aminophylline⁶, anidulafungin³, atracurium^{3,6}, aztreonam³, bivalirudin³, buprenorphine⁶, calcium chloride⁶, calcium gluconate⁶, cefalotin⁶, cefazolin⁶, cefotaxime⁶, cefoxitin⁶, ceftaroline fosamil³, ceftazidime³, ceftolozane-tazobactam³, ceftriaxone³, ciclosporin⁶, ciprofloxacin³, cisatracurium³,

clindamycin⁶, dexamethasone⁶, dexmedetomidine³, dobutamine^{3,6}, dopamine^{3,6}, ephedrine sulfate⁶, esmolol^{3,6}, ethanol⁷, fentanyl⁶, filgrastim³, fluconazole⁶, foscarnet³, furosemide⁶, ganciclovir⁶, gentamicin⁶, glyceryl trinitrate^{3,6}, granisetron³, heparin sodium^{3,6}, hydrocortisone sodium succinate⁶, isavuconazole³, labetalol^{3,6}, lidocaine⁶, linezolid³, magnesium sulfate⁶, methylprednisolone sodium succinate⁶,

metoclopramide⁶, midazolam³, milrinone³, morphine sulfate⁶, noradrenaline (norepinephrine)⁶, paracetamol³, piperacillin-tazobactam (EDTA-free)³, potassium

chloride⁶, remifentanil³, sodium bicarbonate⁶, sodium nitroprusside⁶,

suxamethonium⁶, tigecycline³, tobramycin⁶, vancomycin⁶, vecuronium³, verapamil⁶,

zidovudine³

Syringe Information on compatibility with other medicines in a syringe driver is available⁸

INCOMPATIBILITY

Fluids No information

Drugs Amiodarone⁹, caspofungin⁹, levomepromazine³, phenobarbital³, sugammadex¹

SPECIAL NOTES Rapid administration can cause bradycardia.1

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