

# PANTOPRAZOLE

BRAND NAME	SOMAC, PANTOPRAZOLE SANDOZ, SUN
DRUG CLASS	Proton pump inhibitor
AVAILABILITY	Vial contains 40 mg of pantoprazole as pantoprazole sodium. Somac also contains disodium edetate (EDTA) and sodium hydroxide. Pantoprazole Sandoz and Sun brands are EDTA-free. <sup>1</sup>
pH	Somac: 9–10.5 when reconstituted <sup>2</sup> EDTA-free: 9–11.5 when reconstituted <sup>3</sup>
PREPARATION	Reconstitute the vial with 10 mL of sodium chloride 0.9% to make a concentration of 4 mg/mL. <sup>1</sup>
STABILITY	Vial: store below 25 °C. Protect from light. <sup>1</sup> Reconstituted solution: Somac is stable for 12 hours at 2 to 8 °C. <sup>1</sup> Reconstituted solutions that are EDTA-free are stable for 12 hours at 2 to 8 °C <sup>1</sup> or for 24 hours at 25 °C. <sup>4</sup> Infusion solutions <b>containing EDTA (Somac)</b> at concentrations from 0.16 mg/mL to 0.8 mg/mL in sodium chloride 0.9% or glucose 5% are stable for 24 hours below 25 °C or at 2 to 8 °C. <sup>5</sup> Infusion solutions that are <b>EDTA-free</b> at concentrations of 0.4 mg/mL and 0.8 mg/mL in sodium chloride 0.9% or glucose 5% are stable for 24 hours at 25 °C or at 2 to 8 °C. <sup>4</sup>
ADMINISTRATION	
<b>IM injection</b>	Not recommended
<b>SUBCUT injection</b>	No information
<b>IV injection</b>	Inject the reconstituted solution (4 mg/mL) over at least 2 minutes. <sup>1</sup>
<b>IV infusion</b>	Dilute the dose to 100 mL with a compatible fluid and infuse over 15 minutes. <sup>1</sup> For continuous infusion, dilute to 0.8 mg/mL and infuse at a rate of 8 mg/hour. <sup>6</sup>
	Practical example: for a 24 hour infusion dilute 200 mg (5 vials) to 250 mL to make a concentration of 0.8 mg/mL. Infuse at 8 mg/hour (10 mL/hour).
<b>IV use for infants and children</b>	Inject undiluted over at least 2 minutes. Or dilute to 0.4–0.8 mg/mL and infuse over 15 minutes. <sup>7</sup> May be given as a continuous infusion. <sup>8</sup>
COMPATIBILITY	
<b>Fluids</b>	Glucose 5% <sup>1,4,5</sup> , glucose 10% (Somac only) <sup>1</sup> , Hartmann's (Somac only) <sup>5</sup> , sodium chloride 0.9% <sup>1,4,5</sup>
<b>Y-site</b>	Pantoprazole compatibility is concentration dependent. Do not mix undiluted pantoprazole with any other drugs. <sup>5</sup> There is limited Y-site compatibility information available for pantoprazole concentrations of 0.4–0.8 mg/mL. <sup>5,9</sup> Consult the pharmacist, pharmacy department or medicines information service for advice.
INCOMPATIBILITY	
<b>Fluids</b>	No information
<b>Drugs</b>	Do not mix undiluted pantoprazole with any other drugs <sup>5</sup>

## REFERENCES

1. Product information. Available from [www.tga.gov.au](http://www.tga.gov.au). Accessed 24/03/2020.
2. Medical information. Somac pH [email]. Sydney; Takeda Pharmaceuticals Australia; 21/06/2019.
3. Medical information. Pantoprazole pH [email]. Macquarie Park, NSW: Sandoz Pty Ltd; 21/06/2019.
4. Donnelly R. Stability of pantoprazole sodium in glass vials, polyvinyl chloride minibags, and polypropylene syringes. *Can J Hosp Pharm* 2011; 64: 192-8.
5. McEvoy GK editor. Handbook on injectable drugs. 20th ed. Bethesda, MD: American Society of Health-System Pharmacists; 2018.
6. Gastric disorders [March 2016]. In: eTG complete [internet]. Melbourne: Therapeutic Guidelines Ltd; June 2019.
7. Phelps SJ, Hageman TM, Lee KR, Thompson AJ. Pediatric injectable drugs. 11th ed. Bethesda, MD: Am Soc Health-System Pharmacists; 2018.
8. Royal Children's Hospital Pharmacy Department. Paediatric injectable guidelines. 6th ed. Flemington, Vic: The Royal Children's Hospital; 2019.
9. Pantoprazole sodium. In: IV index [internet]. Trissel's 2 clinical pharmaceutics database (parenteral compatibility) Greenwood Village, CO: Truven Health Analytics. Accessed 21/06/2019.