

UTMB Health Department of Pharmacy  
IV Push Medications

Medication	Administration Time	Expiration After Preparation
Aztreonam 1 g <sup>1,6</sup>	3-5 minutes	Room temperature – 48 hours Refrigeration – 7 days
Aztreonam 2 g <sup>1,6</sup>	3-5 minutes	Room temperature – 48 hours Refrigeration – 7 days
Cefazolin 1 g <sup>1,6</sup>	3-5 minutes	Room temperature – 24 hours Refrigeration – 10 days
Ceftazidime 1 g <sup>1,6</sup>	3-5 minutes	Room temperature – 24 hours Refrigeration – 7 days
Ceftriaxone 1 g <sup>1,6</sup>	1-4 minutes	Room temperature – 48 hours Refrigeration – 10 days
Ceftriaxone 2 g <sup>1,6</sup>	1-4 minutes	Room temperature – 48 hours Refrigeration – 10 days
Ertapenem 1 g <sup>3,5</sup>	5 minutes	Room temperature – 6 hours Refrigeration – 24 hours
Meropenem 500 mg <sup>2,3</sup>	3-5 minutes	Room temperature – 2 hours Refrigeration – 12 hours
Pantoprazole 40 mg <sup>1,3</sup>	2 minutes	Room temperature – 24 hours Refrigeration – No data
Pantoprazole 80 mg <sup>1,3</sup>	2 minutes	Room temperature – 24 hours Refrigeration – No data

NS = normal saline; SWFI = sterile water for injection

Important Nursing Notes

- Medications ordered as IV push should NOT be further diluted and given as an IV piggyback.
- Nurses should use only 1 liter bags or flush syringes for fluid replacement/line flushes. Do not use the smaller bags.

References

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3. Trissel LA. Handbook on injectable drugs. 19<sup>th</sup> edition. Bethesda, MD: American Society of Health-System Pharmacists; 2017.
4. Butterfield-Cowper JM, Burgner Kimberli. Effect of i.v. push administration on  $\beta$ -lactam pharmacodynamics. *Am J Health-Syst Pharm* 2017;74(9):e170-5.

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6. Nowobilski-vasilios A, Poole SM. Development and preliminary outcomes of a program for administering antimicrobials by i.v. push in home care. *Am J Health-Syst Pharm* 1999;56:76-9.