**Usual Diluents**

NS, D₅W.

**Standard Dilution [Amount of drug] [Infusion volume] [Infusion rate]**

<table>
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<tr>
<th>[0 to 4 MU]</th>
<th>[50 ml]</th>
<th>[30 min]*</th>
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*Sample infusion times:

- **Lexi-comp** (June 2013) Digital version: Intermittent I.V.: ... Infuse over 15-30 minutes.

- **Micromedex** (June 2013): The preferred intravenous route is by continuous infusion or intermittent piggyback injections over 30 to 60 minutes.

- **AHFS DRUG INFORMATION®** (2013) For intermittent IV infusion, penicillin G potassium or sodium should generally be infused over 1-2 hours. Divided doses of the drug have also been infused intermittently IV over 15-30 minutes in neonates and children.

**Reconstitution**

*Intermittent I.V.:* 5 million unit vial: Add 8.2 mL for a final concentration of 500,000 units/mL; add 3.2 mL for a final concentration of 1,000,000 units/mL. Dilute further to 50,000-145,000 units/mL prior to infusion.

*Continuous I.V. infusion:* 20 million unit vial: Add 11.5 mL for a final concentration of 1,000,000 units/mL. Dilute further in 1-2 L of infusion solution and administer over a 24-hour period.

**Stability / Miscellaneous**

**EXP:** 1 DAY (RT) / 7 DAYS (REF). **Label:** Refrigerate.

**STORAGE:**

- **Admixture:** All solutions should be stored in a refrigerator at 2°C to 8°C (36°F to 46°F). When refrigerated, penicillin solutions may be stored for seven days without significant loss of potency. **DISCARD UNUSED SOLUTION AFTER 7 DAYS.**

- **Reconstituted vial:** Sterile constituted solution may be kept in refrigerator (2°C to 8°C) for 3 days without significant loss of potency. **Vial:** Store dry powder at 20°-25°C (68°-77°F) (see USP Controlled Room Temperature).