

# Daptomycin IV Desensitization Protocol [3815]

Patient must be in ICU setting with continuous monitoring.

## Notify Physician

### Notify Physician

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| [X] Notify physician if patient needs treatment with any PRN medication due to a reaction to the desensitization protocol. | Routine, Until discontinued, Starting S, Notify physician if patient needs treatment with any PRN medication for a reaction to the desensitization protocol. |
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## Nursing

### Monitoring Parameters:

- |   |   |
|---|---|
| [X] Vital signs - T/P/R/BP  | Routine, As needed<br>Vitals prior to each dose of desensitization protocol   |
| [X] Maintain IV access  | Routine, Until discontinued, Starting S<br>Maintain IV access at all time, Start Normal Saline (0.9%) at a rate of 20 mL/hr if previous access has not been established |
| [X] Have code blue cart readily available prior to starting desensitization orders. | Routine, Once For 1 Occurrences<br>Have code blue cart readily available prior to starting desensitization orders.  |

## IV Fluids

Start Normal Saline (0.9%) at 20 mL/hr if previous IV access has not been established

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| [ ] sodium chloride 0.9 % infusion | intravenous, at 20 mL/hr, continuous<br>Maintain IV access at all times. |
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## Medications

### Daptomycin IV Desensitization Protocol

- | [X] Daptomycin IV Desensitization                                | "Followed by" Linked Panel  |
|--|---|
| [X] daptomycin (0.06 mg/mL) IV piggyback - desensitization bag 1 | 0.03 mg, intravenous, at 2 mL/hr, for 15 Minutes, once, Starting H+60 Minutes, For 1 Doses<br>Dose #1: Begin Bag 1 infusion (Dose = 0.03 mg (VTBI = 0.5 mL)) at 2mL/hr for 15 minutes, then increase rate to 5mL/hr on the next order using this same bag 1.        |
| [X] daptomycin (0.06 mg/mL) IV piggyback - desensitization bag 1 | 0.08 mg, intravenous, at 5 mL/hr, for 15 Minutes, once, Starting H+75 Minutes, For 1 Doses<br>Dose #2: Continue Bag 1 infusion (Dose = 0.08 mg (VTBI = 1.33 mL)) at 5mL/hr for 15 minutes, then increase rate to 11mL/hr on the next order using this same bag 1.   |
| [X] daptomycin (0.06 mg/mL) IV piggyback - desensitization bag 1 | 0.16 mg, intravenous, at 11 mL/hr, for 15 Minutes, once, Starting H+90 Minutes, For 1 Doses<br>Dose #3: Continue Bag 1 infusion (Dose = 0.16 mg (VTBI = 2.67 mL)) at 11mL/hr for 15 minutes, then increase rate to 21mL/hr on the next order using this same bag 1. |
| [X] daptomycin (0.06 mg/mL) IV piggyback - desensitization bag 1 | 0.32 mg, intravenous, at 21 mL/hr, for 15 Minutes, once, Starting H+105 Minutes, For 1 Doses<br>Dose #4: Continue Bag 1 infusion (Dose = 0.32 mg (VTBI = 5.33 mL)) at 21mL/hr for 15 minutes, then STOP this infusion. Start next infusion using bag 2.             |
| [X] daptomycin (0.64 mg/mL) IV piggyback - desensitization bag 2 | 0.8 mg, intravenous, at 5 mL/hr, for 15 Minutes, once, Starting H+120 Minutes, For 1 Doses<br>Dose #5: Begin Bag 2 infusion (Dose = 0.8 mg (VTBI = 1.25 mL)) at 5mL/hr for 15 minutes, then increase rate to 10mL/hr on the next order using this same bag 2.       |

[X] daptomycin (0.64 mg/mL) IV piggyback - desensitization bag 2	1.6 mg, intravenous, at 10 mL/hr, for 15 Minutes, once, Starting H+135 Minutes, For 1 Doses Dose #6: Continue Bag 2 infusion (Dose = 1.6 mg (VTBI = 2.5 mL)) at 10mL/hr for 15 minutes, then increase rate to 20mL/hr on the next order using this same bag 2.
[X] daptomycin (0.64 mg/mL) IV piggyback - desensitization bag 2	3.2 mg, intravenous, at 20 mL/hr, for 15 Minutes, once, Starting H+150 Minutes, For 1 Doses Dose #7: Continue Bag 2 infusion (Dose = 3.2 mg (VTBI = 5 mL)) at 20mL/hr for 15 minutes, then increase rate to 40mL/hr on the next order using this same bag 2.
[X] daptomycin (0.64 mg/mL) IV piggyback - desensitization bag 2	6.4 mg, intravenous, at 40 mL/hr, for 15 Minutes, once, Starting H+165 Minutes, For 1 Doses Dose #8: Continue Bag 2 infusion (Dose =6.4 mg (VTBI = 10 mL)) at 40mL/hr for 15 minutes, then STOP this infusion. Start next infusion using bag 3.
[X] daptomycin (6.4 mg/mL) IV piggyback - desensitization bag 3	16 mg, intravenous, at 10 mL/hr, for 15 Minutes, once, Starting H+180 Minutes, For 1 Doses Dose #9: Begin Bag 3 infusion (Dose = 16 mg (VTBI = 2.5 mL)) at 10mL/hr for 15 minutes, then increase rate to 20mL/hr on the next order using this same bag 3.
[X] daptomycin (6.4 mg/mL) IV piggyback - desensitization bag 3	32 mg, intravenous, at 20 mL/hr, for 15 Minutes, once, Starting H+195 Minutes, For 1 Doses Dose #10: Continue Bag 3 infusion (Dose = 32 mg (VTBI = 5 mL)) at 20mL/hr for 15 minutes, then increase rate to 40mL/hr on the next order using this same bag 3.
[X] daptomycin (6.4 mg/mL) IV piggyback - desensitization bag 3	64 mg, intravenous, at 40 mL/hr, for 15 Minutes, once, Starting H+210 Minutes, For 1 Doses Dose #11: Continue Bag 3 infusion (Dose = 64 mg (VTBI = 10 mL)) at 40mL/hr for 15 minutes, then increase rate to 80mL/hr on the next order using this same bag 3.
[X] daptomycin (6.4 mg/mL) IV piggyback - desensitization bag 3	195.4 mg, intravenous, at 80 mL/hr, for 23 Minutes, once, Starting H+225 Minutes, For 1 Doses Dose #12: Continue Bag 3 infusion (Dose = 195.4 mg (VTBI = 30.53 mL)) at 80mL/hr for 23 minutes, then STOP this infusion.

**If patient develops a mild reaction such as itching, flushing, hives, self-limiting rash, or nausea with normal vital signs while undergoing desensitization, stop the medication and give:**

[X] diphenhydrAMINE (BENADRYL) injection	25 mg, intravenous, once PRN, mild desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.
[X] hydrOXYzine (ATARAX) tablet	25 mg, oral, once PRN, itching, mild desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.
[X] fexofenadine (ALLEGRA) tablet	60 mg, oral, once PRN, allergies, mild desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.
[X] Famotidine (PEPCID) IV/PO	<b>"Or" Linked Panel</b>
[X] famotidine (PEPCID) tablet	20 mg, oral, once PRN, heartburn, mild desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol. May crush and give per nasogastric tube if needed. Give the tablet if the patient can tolerate oral medication.
[X] famotidine (PEPCID) injection	20 mg, intravenous, once PRN, mild desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol. Use injection if patient cannot tolerate oral medication or requires a faster onset of action. Per Med Staff Policy, R.Ph. will automatically switch IV to equivalent PO dose when above approved criteria are satisfied:

**If patient develops a moderate reaction such as mild dyspnea or angioedema with normal vital signs, while undergoing desensitization stop the medication and give:**

[X] diphenhydrAMINE (BENADRYL) injection	50 mg, intravenous, once PRN, moderate desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.
[X] methylPREDNISolone sodium succinate (Solu-MEDROL) injection	40 mg, intravenous, once PRN, moderate desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.

**If patient develops a severe reaction such as hypotension, throat swelling, wheezing/respiratory distress, or decreased oxygen saturation with normal vital signs while undergoing desensitization, stop the medication and treat immediately with:**

[X] epINEPHrine (ADRENALIN) 1 mg/1 mL injection	0.3 mg, intramuscular, once PRN, anaphylaxis, severe desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.
[X] famotidine (PEPCID) injection	20 mg, intravenous, once PRN, severe desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol. Per Med Staff Policy, R.Ph. will automatically switch IV to equivalent PO dose when above approved criteria are satisfied:
[X] Supplemental Oxygen for severe reaction	STAT, Once For 1 Occurrences Give supplementary oxygen by facial mask and place the patient in a recumbent position for severe reaction. Notify provider if oxygen was used to manage a reaction to the desensitization protocol.
[X] methylPREDNISolone sodium succinate (Solu-MEDROL) injection	60 mg, intravenous, once PRN, severe desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol.
[X] albuterol (PROVENTIL) nebulizer solution	5 mg, nebulization, every 30 min PRN, wheezing, severe desensitization reaction Notify provider if this medication is used to manage a reaction to the desensitization protocol. Aerosol Delivery Device: Hand-Held Nebulizer

**Labs**

**Respiratory**

**Additional Orders**