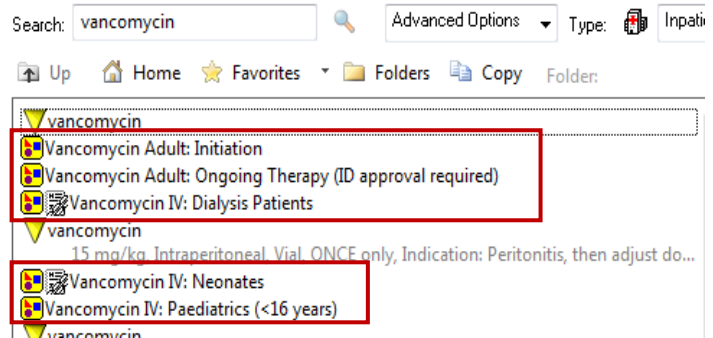




EMR Quick Reference Guide

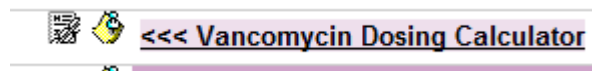
Infusions – Ordering Vancomycin (Adult)

Vancomycin can be ordered from one of several ordersets



Vancomycin Adult: Initiation

1. Select the **Vancomycin Adult: Initiation** order set
2. Click on the icon to launch the *Western Health Vancomycin Dosing Calculator* to calculate the patient's estimated loading dose and suggested initial maintenance dose / frequency



3. Select the appropriate ONCE only loading dose order

<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	1 g, IV Infusion, ONCE only, Infuse over 60 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 90 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	1.25 g, IV Infusion, ONCE only, Infuse over 90 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 150 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	1.5 g, IV Infusion, ONCE only, Infuse over 90 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 150 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	1.75 g, IV Infusion, ONCE only, Infuse over 120 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 180 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	2 g, IV Infusion, ONCE only, Infuse over 120 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 180 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	2.25 g, IV Infusion, ONCE only, Infuse over 150 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 240 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9%, ONCE only (LOADING DOSE)	2.5 g, IV Infusion, ONCE only, Infuse over 150 min(s), Indication: Loading dose If it is necessary to slow the infusion, maximum infusion time = 240 min(s)

The **diluent volume** and **infuse over time** have been pre-defined for each dose to reduce the risk of infusion-related “red-man” syndrome (a histamine-mediated, non-allergic response to rapid vancomycin administration, characterised by rash, muscle spasms of chest & back, and sometimes hypotension).

Prescribers should NOT change these fields unless advised to do so by the ward pharmacist or AMS.

The Indication has been pre-defined as “Loading dose”.



4. Select the appropriate initial maintenance dose order

<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	500 mg, IV Infusion, Infuse over 30 min(s) If it is necessary to slow the infusion, maximum infusion time = 60 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	750 mg, IV Infusion, Infuse over 60 min(s) If it is necessary to slow the infusion, maximum infusion time = 90 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	1 g, IV Infusion, Infuse over 60 min(s) If it is necessary to slow the infusion, maximum infusion time = 90 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	1.25 g, IV Infusion, Infuse over 90 min(s) If it is necessary to slow the infusion, maximum infusion time = 150 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	1.5 g, IV Infusion, Infuse over 90 min(s) If it is necessary to slow the infusion, maximum infusion time = 150 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	1.75 g, IV Infusion, Infuse over 120 min(s) If it is necessary to slow the infusion, maximum infusion time = 180 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	2 g, IV Infusion, Infuse over 120 min(s) If it is necessary to slow the infusion, maximum infusion time = 180 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	2.25 g, IV Infusion, Infuse over 150 min(s) If it is necessary to slow the infusion, maximum infusion time = 240 min(s)
<input type="checkbox"/>	vancomycin IV infusion xx g in Sodium Chloride 0.9% (MAINTENANCE)	2.5 g, IV Infusion, Infuse over 150 min(s) If it is necessary to slow the infusion, maximum infusion time = 240 min(s)

The **diluent volume** and **infuse over time** have been pre-defined for each dose to reduce the risk of infusion-related “red-man” syndrome.
Prescribers should NOT change these fields unless advised to do so by the ward pharmacist or AMS.

5. Right click and **Modify** the maintenance dose order. Select a **Frequency** from the drop down list.

▼ Details for **vancomycin (additive) + Sodium Chloride 0.9% infusion 250 mL**

Details Ingredient Details Order Comments Offset Details Diagnoses

Ingredients	Dose	Rate	Infuse Over	Frequency	Duration
vancomycin (additive)	1.25 g	166.67 mL/hr	90 min(s)		
Sodium Chloride 0.9% infusion	250 mL				
Total Volume					
250 mL					

6. Navigate to the **Details** tab to enter the mandatory **Indication**.

7. Review the **First Dose Date/Time** of the maintenance dose.

▼ Details for **vancomycin (additive) + Sodium Chloride 0.9% infusion 250 mL**

Details Ingredient Details Order Comments Offset Details Diagnoses

Duration unit: [dropdown]
Special Instructions: [text area]
First Dose Date / Time: [calendar/time picker] AEDT
Stop type: [dropdown]

*Indication: [text field]
Infectious Diseases Medical Officer Consulted: [dropdown]
Approval Number: [text field]
Priority: Routine [dropdown]
Patient's Own Meds: Yes No [radio buttons]



8. Select the appropriate vancomycin level pathology order

PATHOLOGY	
For 12 hourly frequency:	
<input checked="" type="checkbox"/> Vancomycin Level Pre Dose	Timed Collection, Spec Type: Blood, Drug Dose & Frequency: 12 hourly, Special Instructions: Level to be taken pre FOURTH vancomycin dose
For 24 hourly frequency:	
<input checked="" type="checkbox"/> Vancomycin Level Pre Dose	Timed Collection, Spec Type: Blood, Drug Dose & Frequency: 24 hourly, Special Instructions: Level to be taken pre THIRD vancomycin dose

9. Click **Orders for Signature**, review orders and **Sign**.

10. Review the Scheduled section of **MAR / MAR Summary**

vancomycin (additive) Sodium Chloride 0.9% infusion 100 mL 1 g, IV Infusion, ONCE only, Infuse over 60 min(s), Indication: Loading dose, First dose 08/12/2020 16:00:00, Stop date 08/12/2020 16:00:00 If it is necessary to slow the infusion, maximum infusion time = 90 min(s) vancomycin Sodium Chloride 0.9%				1 g Not given within 5 days.
vancomycin (additive) Sodium Chloride 0.9% infusion 100 mL 500 mg, IV Infusion, 12 hourly, Infuse over 30 min(s), Indication: testing, First dose 09/12/2020 04:00:00 If it is necessary to slow the infusion, maximum infusion time = 60 min(s) vancomycin Sodium Chloride 0.9%		500 mg Not given within 5 days.		

Vancomycin Adult: Ongoing Therapy (ID approval required) → For therapy beyond 48 hours

This order set has the same functionality as the **Vancomycin Adult: Initiation** order set. The following fields must be completed on the **Details** tab as well as the **Indication**

- a) **Infectious Diseases Medical Officer Consulted**
- b) **ID Approval Expiry (7:30am)**
- c) **Approval Number**

Modifying Vancomycin Infusions

If a change is required to the Dose, the prescriber must place a **NEW** order via the Vancomycin Orderset and **Cancel/DC** the existing order.

This is because the **diluent volume** and **infuse over time** have been pre-defined for each dose to reduce the risk of infusion-related "red-man" syndrome.