



Vancomycin AUC₂₄ Dosing Calculator

Available to hospitals and health systems as well as individual subscribers, the Sanford Guide AUC Dosing Calculator uses two serum concentration measurements to determine AUC₂₄, the preferred method for vancomycin dosing for Staph bacteremia, endocarditis and invasive infection pursuant to guidelines published in May 2020.

Vancomycin AUC₂₄ Calculator

The critical assumption of these calculations is that the patient has achieved Vancomycin steady-state
Target AUC₂₄ is 400-600 µg/mL x hr

Each Dose:	1000	mg
Dosing Interval:	12 hours	
Duration of infusion:	1 hour	
Measured Vancomycin Peak Concentration:	20	µg/mL
Time from start of infusion to measurement of peak concentration:	1.5	hours
Measured Vancomycin Trough Concentration:	12	µg/mL
Time from start of infusion to measurement of trough concentration:	11.5	hours

Calculate
Clear

Results are displayed with appropriate warnings for out-of-range values.

Results: AUC₂₄ = 378 µg/mL x hr

Warning: this value is outside the 400-600 target range.

You are currently administering **2000** mg per day. Consider adjusting the daily dose to **2116** to **3175** mg per day.

Adjusting dose and interval for desired peak and trough levels is easy.

New Dose:	1500	mg
New Dosing Interval:	12 hours	
New Duration of infusion:	1 hour	

Calculate
Clear

Predicted AUC₂₄ = 567 µg/mL x hr

Predicted Peak = 30.8 µg/mL
Predicted Trough = 17.5 µg/mL

Adjust your dose, show the math, or export results to your EHR.

Adjust Dose	Show Calculations	Print / Save as PDF	Copy Results as Plain Text
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