

VANCOMYCIN, SERUM (CMIA)	-	µg/mL
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Interpretation

VANCOMYCIN LEVELS	THERAPEUTIC RANGE IN µg/mL
Peak	20-40
Trough	5-10

Note:1. Therapeutic levels of Vancomycin must be individually established based on patient differences and bacterial susceptibility.

2. Presence of heterophilic antibodies may cause anomalous results

Comments

Vancomycin is an antibiotic used to treat infections by Gram Positive organisms resistant to Beta-lactam antibiotics. Vancomycin is associated with Nephrotoxicity & Ototoxicity, hence therapeutic monitoring is essential specially in patients with reduced renal function, aggressive or prolonged Vancomycin therapy and co-medication with other Nephrotoxic agents. Toxic effects have resulted when serum concentrations of vancomycin reach 80 to 100 µg/mL and are rarely seen when serum levels are maintained below 30 µg/mL. If an aminoglycoside is being used concurrently, the potential for toxicity is additive.