

Policy #:	805 (PLH-805-04)	Effective Date:	NA	Reviewed Date:	2/1/2010
Subject:	BLOOD COLLECTION FOR AMINOGLYCOSIDES & VANCOMYCIN LEVELS (TROUGH/PEAK & RANDOM ORDERING PROCEDURE)				
Approved by: Laboratory Executive Director, Ed Hughes (electronic signature)					
Approved by: Laboratory Medical Director, Mark P. Burton, MD (electronic signature)					

BLOOD COLLECTION FOR AMINOGLYCOSIDES & VANCOMYCIN LEVELS

TROUGH/PEAK & RANDOM ORDERING PROCEDURES

Aminoglycosides (gentamicin, tobramycin, and amikacin) should be infused over 30 minutes unless contraindicated by patient's condition. Call Pharmacy if the dose is given more than one hour after time due. Trough should be collected 30 minutes prior to dose. Peak should be collected 30 minutes after end of infusion. The yellow flow-sheet should be placed on the patient's door (B tower) or magnetic board in patient's room (A tower).

Vancomycin should be infused over 1 hour unless contraindicated by patient' condition. Trough should be collected 30 minutes prior to dose. Peak should be collected 1 hour after end of infusion. The lilac flow-sheet should be placed on the patient's door

Vancomycin doses \leq 1 gram should be infused over 1 hour and Vancomycin doses \geq 1 gram should be infused over 90 minutes unless contraindicated by patient's condition.

Trough levels should be collected 30 minutes prior to dose. Peak levels should be collected 1 hour after end of infusion. The lilac flow sheet should be placed on the patient's door. Call Pharmacy if the dose is given more than one hour after time due.

Physician:

Orders: Gentamicin, Tobramycin, Amikacin, or Vancomycin (random or trough/peak levels).

Unit Secretary:

1. Pulls the pharmacy copy of the physician orders and sends it to pharmacy for the trough/peak collection date/times to be determined.

Note: If a single stat, random, or "now" level is ordered, the order can be immediately entered into the computer by the unit secretary.

2. When paperwork is returned from pharmacy, the Unit Secretary places the orders in HIS, with specific trough/peak collection dates/times provided by pharmacy, and writes order number on yellow or lilac collection sheet.

Note: If the physician discontinues the medication after the pharmacist has written the order for the specific times, the unit secretary is to cancel the pending trough/peak orders in the computer and contact Lab to confirm canceled order.

Pharmacist:

1. Determines when trough/peak is to be done.
2. Writes order specifying trough/peak collection dates/times.
3. Places yellow or lilac collection sheet in chart with the order.
4. Gives chart to unit secretary for processing.

Nurse:

1. Checks off orders.
2. Gives medication as scheduled being sure to document on the yellow or lilac collection sheet.
3. Hangs yellow or lilac sheet on patient's door (B tower) or magnetic board in patient's room (A tower).
4. Calls lab only if phlebotomist is more than 15 minutes late to collect specimen (with the exception of nurse draws.)