

GENTAMICIN,  
SERUM/  
PLASMA

## Orderable - GENT GENTA-pre / GENTB-post

Turn Around Time: 8 hours

### Alternate Name(s):

Garamycin  
Aminoglycosides

### Specimen:

Adult	Pediatric
4.5 mL Green top Vacutainer tube	0-2 years: 0.5 mL Green top Microtainer 2-10 years: 3 mL Green top tube
Serum from a 5 mL Gold top or 6 mL Red top Vacutainer tube is also acceptable.	

### Toxic Levels:

Trough: >1.8 mg/L  
Peak: >10 mg/L

### Collection Information:

Collect blood aseptically in a Vacutainer tube.

Minimum volume of serum/plasma required is 1 mL.

Minimum volume of blood required for pediatric sample is 0.5 mL.

Trough specimens are to be drawn immediately before a dose is administered.

Peak specimens should be drawn 30 minutes after an IV injection, 60 minutes after an IM injection, 30 minutes after the end of a 30 minute IV infusion (time frames are longer if the patient is renally compromised).



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Enzyme immunoassay  
(EIA)



**Test Schedule:**  
Daily

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### Reference Ranges:

Therapeutic	
<b>Trough (Pre-Dose):</b>	<b>Peak (Post Dose):</b>
< = 1.4 mg/L	6-10 mg/L

### Interpretive Comments:

To convert from mg/L to umol/L multiply the number by 2.16

### Storage and Shipment:

Specimens not tested immediately should be refrigerated as soon as possible and frozen for shipment within 24 hours.