

AMIKACIN, SERUM

Orderables - AMIK/AMIKA(pre)/AMIKB(post)

Turn Around Time: 3 days

Alternate Name(s):

Aminoglycoside
Amikin

Specimen:

6 mL Red top Vacutainer tube

Blood collection tubes with separator gels are not acceptable for this test.

Collection Information:

To monitor trough concentration, collect immediately before next dose. Wait until the third dose before collecting samples for therapeutic monitoring.

To monitor peak concentration following traditional dosing, collect sample 30 min after end of dose infusion. Wait until the third dose before collecting samples for therapeutic monitoring.

To monitor peak concentration following extended dosing, after the third dose collect a sample 8-12 h after end of dose infusion. Record the exact time of sampling and use [nomogram](#) for dosage adjustment if necessary.

Minimum volume of serum required is 1 mL.

Reference Ranges:

Therapeutic Range:

| For traditional (conventional) dosing method in adults: | |
|---|------------|
| Pre-dose (trough): | <8 mg/L |
| Half-hour post-dose (peak): | 20-30 mg/L |



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Kinetic Interaction of
Microparticles in Solution
(KIMS)



Test Schedule:
Referred out Monday-
Thursday



Referred Out Location:
[In-Common Laboratories](#)



AMIKACIN,
SERUM

| | |
|-------------------------------------|------------|
| For urinary tract infection (peak): | 15-30 mg/L |
|-------------------------------------|------------|

| For extended interval (once daily) dosing method in adults: | |
|---|---|
| Pre-dose (trough): | <1.0 mg/L |
| 8-12 hours post dose (peak): | Use nomogram for interpretation |

Interpretive Comments:

To convert from mg/L to $\mu\text{mol/L}$ multiply the number by 1.71.

Special Processing:

Clearly label individual tubes "PRE" or "POST".

Critical Information Required:

Label Trough (Pre) and Peak (Post)specimens and requisition clearly.

Storage and Shipment:

Store and ship serum frozen.