



MEMORANDUM #118

TO: UNC Hospitals Attending Physicians, Housestaff, Nursing Coordinators,
Department Heads and supervisors

FROM: *CH* Catherine Hammett-Stabler, PhD, Director, Core Laboratory
HC Herbert C. Whinna, MD, PhD, Director, McLendon Clinical Laboratories
CB Connie Bishop, Assistant Administrative Director, Core Laboratory

DATE: November 13, 2014

SUBJECT: Amikacin Testing Moves In-House

Effective November 11, 2014, the McLendon Clinical Laboratories Core Laboratory will reintroduce in-house amikacin testing for therapeutic drug monitoring. The assay is a homogeneous particle-enhanced turbidmetric immunoassay performed using the Vitros 5600s.

Ordering information:

Test Names: Amikacin, Trough; Amikacin, Peak; Amikacin Random
CPT Code: 80150

Specimen Collection:

Collection tubes will remain the same, a royal blue or red bullet (pediatric). Collection tubes containing a gel-barrier should be avoided.

Samples should be collected as peak, trough, or random dependent upon the dosing protocol used.

Availability: Testing will be available 7 days a week, 24 hours a day in Core Laboratory.

	Therapeutic Range	Potential Toxicity
Trough	5-10 µg/mL	>10 µg/mL
Peak	20-25 µg/mL	>35 µg/mL

Please contact the Core Laboratory, 6-2361, should you have questions.