Effective March 1, 2016 the Clinical Laboratory will begin performing Gentamicin testing in the Surgery and Emergency Services Pavilion (SESP) Chemistry and Urinalysis section to improve the quality of patient care. Testing will be available 24/7, with STAT turnaround times of one hour or less.

Clinical and analytical performance remains similar compared to the previous method. **Please note below that the preferred sample type has changed from serum (red top tube) to plasma (dark green top tube).** We anticipate that this specimen type change will contribute to decreased test turnaround times.

**Sample Requirements:** Collect BD Vacutainer Sodium Heparin 4.0 mL (dark green top, no gel) (preferred), or BD Vacutainer Serum 4.0 mL (red top, no gel) tube. **Note:** serial samples should be collected using the same sample type.

**Patient Preparation:** None

**Storage/Transport:** Deliver at room temperature to Laboratory for processing. If the sample cannot be delivered within 2 hours, centrifuge the sample and store aliquoted plasma at 2°C to 8°C, ship refrigerated. For longer storage, aliquot and freeze plasma at -20°C or colder in a non-defrosting freezer and ship frozen on dry ice.

**Stability:** Aliquotted plasma: Room temperature for 8 hours, refrigerated for 48 hours, or frozen at -20°C for 6 months.

**Minimum Volume:** 0.3 mL plasma

**Unacceptable Conditions:** Clotted specimens, gross hemolysis.

**Reference Interval:** Unchanged. See result report.

For questions or additional information please contact Laboratory Client Services at 916-734-7373 or email pathologyclientservices@ucdmc.ucdavis.edu.

LIS mnemonic: TGENT, TGENTPK, TGENTTR