Lab Dept: Chemistry

Test Name: OSMOLALITY

General Information

Lab Order Codes: OSM
Synonyms: Osmo
CPT Codes: 83930 – Osmolality; blood
Test Includes: Osmolality concentration reported in mOsm/kg.

Logistics

Test Indications: Determination of osmolality can be useful in the assessment of electrolyte and acid/base disorders. Comparisons can determine the status of renal water regulation settings of severe electrolyte disturbances, as might occur in diabetes insipidus.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 hours

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Green top (Li Heparin) tube, preferred
Alternate tube: SST (Red, marble or gold top tube)

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL plasma/serum

Special Processing: Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Run within 4 hours or store at refrigerated temperatures.
Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

**Interpretive**

Reference Range: 275 - 295 mOsm/kg

Critical Values: N/A

Limitations: N/A

Methodology: Freezing point depression

References:

Updates: 2/9/2016: Update alt tube type