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, <b>preferred</b> 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:	Advanced Instruments Osmometer Model 2020 Osmo1 User's Guide, 2025 Rev16, 081508, Two Technology Way, Norwood, MA 02062
	Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (2006) Elsevier Saunders Company, pp 991 - 994
	Jacobs & DeMott Laboratory Test Handbook Lexi-Comp, Inc (2001) Hudson, OH, 5th Edition, pp 236-237
Updates:	2/9/2016: Update alt tube type