

Appendix I - Urine Preservatives

All timed 24 hour specimens should be refrigerated during collection.

<u>TEST</u>	<u>SPECIMEN</u>	<u>PRESERVATIVE</u>
Alcohol	Random	No preservative, refrigerate during collection
Ammonia	Random	Fresh specimen, send on ice immediately
Amylase	Rand, 2 or 24 hr	Store @ 4°C
Bacterial Antigen - specify <i>Beta Hemolytic Strep, Haemophilus Influenzae, Neisseria Meningitis & Strep Pneumoniaes</i>	Random	Sterile container, clean catch
Bence Jones I.D.	Random, 24 hr	No preservative, refrigerate during collection
Bence Jones, quant.	24 hr	No preservative, refrigerate during collection
Beta 2 Microglobulin	Random, 24 hr	No preservative, freeze.
Beta Hemolytic Strep Bacterial Ag	Random	Sterile container, clean catch
Bilirubin, qual.	Random	Protect from light, refrigerate
Calcium	Random, 24 hr	No preservative, refrigerate
Cannabinoids, qual.	Random	No preservative, refrigerate during collection
Catecholamines, fractionated	24 hr	24 hr: 15 mL 6 mol/L HCl in container before collection
Chloride	Random, 24 hr	No preservatives, refrigerate during collection
Cortisol	24 hr	No preservative, refrigerate during collection
Creatinine	Random, 24 hr	No preservative, refrigeration preferred
Creatinine clearance	12 or 24 hr	See Creatinine
Cystine, homocystine, qual.	Random, 24 hr	24 hr: 1 mL 6 mol/L HCl or random with no preservative
Drug screen, qual.	Random	40 mL required, no preservatives, refrigerate
Electrolytes	Random, 24 hr	No preservative, refrigerate during collection
Eosinophils	Random	Fresh specimen
Fat stain	Random	No preservative, refrigerate during collection
Genetic metabolic screen	Random, 24 hr	Random, no preservative, 24° - 1 mL 6 Mol/L HCl. Freeze during collection
Glucose	Random, 24 hr	Few grains thymol added
Gonorrhoeae/Chlamydia NAA	First Void (20 mLs)	Sterile container, 2-30°C up to 24 hours or 2 mLs in urine Combo2 tube @ 2-30°C up to 30 days.
H. Influenzae Bacterial Ag.	Random	Sterile container, clean catch
Homogentisic Acid, qual.	Random, 24 hr	24 hr: 1 mL 6 mol/L HCl, random - no preservatives
5-HIAA, quant.	24 hr	15 mL 6 mol/L HCl
Iron	24 hr	No preservative, refrigerate during collection
Iron stain, hemosiderin	1 st morning specimen only	Do not refrigerate - take to heme immediately must be done within 2 hours of collection
Ketoacids	Random, 24 hr	24 hr: 1 mL 6 mol/L HCl, random - no preservatives
Ketones	Random	No preservative, refrigerate during collection
Magnesium	24 hr-preferred	Metal-free container, no preservative, refrigerate during collection. Ok to collect with 10mL 6N HCl
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Metanephrine, fractionated	24 hr	15 mL 6 mol/L HCl in container before collection.
Microalbumin, Urine	24 hour/Random	Refrigerate during collection.
Mucopolysaccharides, qual.	Random, 24 hr	24 hr: 1 mL 6 mol/L HCl. Random - no preservatives.
Myoglobin, quant.	Random - fresh	1 mL 1N NaOH or freeze at -20°.
N-Telopeptide w/ Creatinine	Random, 24 hour	2nd morning void, 24 hour-OK, No preservative
Neisseria Meningitis	Random	Sterile container, clean catch
Nitrogen, Total	Timed, random	As per physician orders, refrigerate during collection
Occult blood	Random	Fresh specimen, refrigerate
Osmolality	Random	No preservative, refrigerate during collection.
Phenylpyruvic acid	Random, 24 hr	24 hr: 1 mL 6 mol/L HCl. Random - no preservative
Phosphate	24 hr	No preservative, refrigerate. 10 mL 6 mol/L HCl in container - OK.
Porphobilinogen, & Porphyrin, quant.	24 hr	5 g NaHCO ₃ in dark bottle
Potassium	Random, 24 hr	No preservative, refrigerate during collection
Protein	24 hr	No preservative, refrigerate during collection
Protein Electrophoresis	Random, 24 hr	No preservative, refrigerate during collection
Reducing Substances	Random	No preservative, refrigerate during collection
Sodium	Random or 24 hr	No preservative, refrigerate during collection
Strep Pneumoniae Bacterial Ag.	Random	Sterile container, clean catch
Sugar I.D.	Random	No preservative, refrigerate during collection
Uric Acid	24 hr	10 mL 10% NaOH (2.5 N NaOH) or no preservative, refrigerate.
Urinalysis	Random	Fresh specimen, refrigerate.
VMA	24 hr	15 mL 6 mol/L HCl in container before collection
Zinc	24 hr	Acid-washed container or a Sage pour-spout (heavy metal free), no preservatives.