

Urinalysis Normal Values

Specific Gravity: 1.002 – 1.035

Values less than 1.007 = hydration

Values above 1.010 = indicate dehydration

Greater than 1.035 = possibly glucose or radiopaque imaging dyes or Contamination

pH: 4.5 – 8.0

Volume: 750 mL – 2000 mL in 24 hours

Protein: Normal 150 mg in 24 hours (Tamm – Horsfall Protein)

10 mg/100 mL maximum in a single sample

Greater than 150 mg/day = proteinuria

Greater than 3.5 grams per day = Nephrotic Syndrome

Glucose: absent (less than 0.1%)

Ketones: (Acetone or Acetoacetic Acid) none: elevated in Diabetes Mellitus

Hemoglobin: none

Albumin: none to a trace amount

Bacteria: Less than 10,000/mL

Mixed bacterial types usually means sample contamination

Greater than 100,000/mL is significant infection

Any bacteria in a catheterized specimen is significant!

RBC: Normal = 0, 1 or more in high power field is abnormal

WBC: Normal less than 2, more than 2 in high power field is abnormal

Leukocyte Esterase: ++ indicates leukocytes present as whole or lysed cells, indicates pyuria