
Lab Dept **Chemistry**

Test Name: **BUN (UREA NITROGEN)**

General Information

Lab Order Codes: BUN

Synonyms: BUN, Blood Urea Nitrogen; Urea Nitrogen

CPT Codes: 84520 – Urea nitrogen; quantitative

Test Includes: Urea Nitrogen concentration in mg/dL.

Logistics

Test Indications: BUN levels, usually analyzed with creatinine, are used to evaluate kidney function, evaluate hydration/dehydration status and to monitor patients with kidney failure or those receiving dialysis therapy.

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: **Preferred:** Green top (Li Heparin) tube
Alternate: Red, marble or gold top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL plasma/serum

Collection: Routine blood collection

Special Processing: Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into plastic sample cup. Analyze sample immediately or store at refrigerated temperatures.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range:

Age:	Range (mg/dL):
0 - 2 months:	4 - 15 mg/dL
2 months - 2 years:	5 - 15 mg/dL
2 - 18 years:	9 - 18 mg/dL
>18 years:	8 - 22 mg/dL

Critical Values: N/A

Limitations: N/A

Methodology: Urease

References:

BUN Flex™ reagent cartridge insert sheet, Siemens Healthcare Diagnostics Inc, 2008-03-04 L 717021.001 - US

Clinical Significance, Siemens Healthcare Diagnostics Inc, Newark, Delaware 19714

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition, 2001

Biorad Liquichek Unassayed Chemistry Control Product Insert (10/2005) Bio-Rad Laboratories, Irvine, CA 92618

Biorad Liquichek Urine Chemistry Control Product Insert (6/2005) Bio-Rad Laboratories, Irvine, CA 92618

Updates: 2/8/2016: Update alt tube types