

Lab Work

WBC's, BUN, Creatinine, Bilirubin, AST, ALT, Alkaline Phosphatase, GGT

What are WBC's?

WBCs – White Blood Cells

Normal Range $4.3 - 11.0 \times 10^3$ or

4,300 to 11,000

White blood cells help fight infection. If the WBC is low or high, it may indicate infection or rejection.



WBC's also defend the body against invasion by foreign matter, such as bacteria, viruses and fungus.

What is BUN?

BUN – Blood Urea Nitrogen

Normal Range 10 – 20 mg/dL

BUN is a waste product that results from the break-down of protein in the liver. It is carried in the blood to the kidneys. The body gets rid of BUN in the urine. Low levels of BUN are common in liver disease when the kidneys are working properly. Increased BUN may occur when the kidneys are not working well.



What is creatinine?

Creat – Creatinine

Normal Range 0.9 – 1.4 mg/dL

Creatinine is a waste product removed from the body by the kidneys. It is produced at a constant rate. A disorder of the kidney function lowers excretion of creatinine, resulting in increased blood levels of creatinine. An increase in creatinine may mean the kidneys are not working properly or it may mean rejection of the transplanted kidney.



What is total bilirubin?

Direct 0.0 – 0.4mg/dL

Total 0.1 – 1.0 mg/dL

Bilirubin is a waste product made by the liver. An increase in bilirubin may mean liver injury, rejection, blocked blood flow or bile duct blockage or inflammation.

What is SGOT/AST?

5 – 40 /uL

AST is an enzyme released when high energy cells are injured. The liver, heart, kidneys, red blood cells and muscles have many high-energy cells.

What is SGPT/ALT?

7 – 56 /uL

An enzyme found in the liver that may reflect liver injury. This enzyme indicates liver cell damage, for whatever reason.

What is GGTP?

8 – 78 /uL

An enzyme made by the bile ducts or tracts. An increase may mean a blockage in the bile ducts or damage to the bile ducts because of blocked blood flow or rejection.

What is ALK PHOS?

38 – 126 /uL

This enzyme level will rise when the excretion is impaired because of blockage in the bile ducts.