

Comprehensive Metabolic Panel

What is a Comprehensive Metabolic Panel?

The Comprehensive Metabolic Panel, or CMP, is as the name suggests, a comprehensive blood test that measures your sugar level, electrolyte and fluid balance, kidney function, and liver function. Your physician may order the CMP as part of your regular health examination. In some cases, your physician may also use this test to check on a medical condition such as high blood pressure, or help diagnose a condition like diabetes.

The CMP is a screening test that helps to evaluate organ function and check for conditions like diabetes, liver disease, and kidney disease. Abnormal results, and especially combinations of abnormal results, can indicate a problem that will need additional investigation by your physician.

How is a CMP test performed?

The CMP specimen is collected by drawing a sample of blood from a vein in your arm. Your blood sample may be collected at your physician's office, at a CompuNet patient service center, or in some cases, at a health fair.

Who should have this test?

The CMP is appropriate for both men and women.

To learn more about laboratory testing and specific tests, we recommend you visit our website, www.compunetlab.com or www.labtestsonline.org



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What is the Comprehensive Metabolic Panel comprised of?

The panel measures or calculates the following:

Total Protein

Determines nutritional status or a test for certain liver and kidney disorders as well as other diseases

Albumin

A test for liver disorder or kidney disease or to evaluate nutritional status

ALP (Alkaline phosphatase)

A test for or to monitor treatment for a liver or bone disorder

ALT

A test for liver function

AST

A test for liver function

Bilirubin (T Bili)

A test for liver function

eGFR (estimated glomerular filtration rate)

A calculation that measures the function of the kidneys

BUN

A test to evaluate kidney function

Creatinine

A test to determine if your kidneys are functioning normally

Calcium

A test to determine if the level of calcium in your blood is at normal levels (important for strong bones; low levels may indicate osteoporosis)

Potassium/Sodium/Chloride

Tests to detect a problem with the body's fluid and electrolyte balance

Glucose

A test to determine if your blood glucose level is within healthy ranges; to screen for diabetes and pre-diabetes

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