

Comprehensive Metabolic Panel (CMP)

Normal Values Chart

Patient information

Full name: _____

Date of birth: _____ Sex: _____ Date of test: _____

Healthcare provider: _____

Panel test	Reference range	Patient's values
Albumin	3.4 to 5.4 g/dL (34 to 54 g/L)	
Alkaline phosphatase	20 to 130 U/L	
ALT (alanine aminotransferase)	4 to 36 U/L	
AST (aspartate aminotransferase)	8 to 33 U/L	
BUN (blood urea nitrogen)	6 to 20 mg/dL (2.14 to 7.14 mmol/L)	
Calcium	8.5 to 10.2 mg/dL (2.13 to 2.55 mmol/L)	
Chloride	96 to 106 mEq/L (96 to 106 mmol/L)	
CO ₂ (carbon dioxide)	23 to 29 mEq/L (23 to 29 mmol/L)	
Creatinine	0.6 to 1.3 mg/dL (53 to 114.9 µmol/L)	
Glucose	70 to 100 mg/dL (3.9 to 5.6 mmol/L)	
Potassium	3.7 to 5.2 mEq/L (3.70 to 5.20 mmol/L)	
Sodium	135 to 145 mEq/L (135 to 145 mmol/L)	
Total bilirubin	0.1 to 1.2 mg/dL (2 to 21 µmol/L)	
Total protein	6.0 to 8.3 g/dL (60 to 83 g/L)	

Note: Values may vary slightly between laboratories. Consultation with a qualified healthcare provider for interpretation of test results and medical advice is needed.

Remarks

Reference

A.D.A.M. Medical Encyclopedia [Internet]; c1997-2022. Comprehensive metabolic panel; [reviewed 2023 February 28; cited 2024 October 11.] Available from: <https://medlineplus.gov/ency/article/003468.htm>