

# MIMIC-IV Laboratory Test Price List

## Overview

This price list provides estimated Medicare-based reimbursement rates for laboratory tests in the MIMIC-IV dataset. Prices represent national average Medicare Clinical Laboratory Fee Schedule (CLFS) rates, irrespective of geographic location.

## Common Lab Test Categories and Price Ranges

### Blood Chemistry Tests

Test Category	Average Price (\$)
Basic Electrolytes	5.00
Comprehensive Electrolytes	7.00
Liver Function Tests	7.50
Renal Function Tests	7.00
Lipid Tests	8.50
Cardiac Markers	14.00
Therapeutic Drug Monitoring	16.00
Endocrine Tests	18.00
Specialized Chemistry Tests	12.00

### Hematology Tests

Test Category	Average Price (\$)
Complete Blood Count (CBC)	8.50
CBC with Differential	10.50
Coagulation Basic	8.00
Coagulation Advanced	12.00
Blood Typing	7.00
Blood Gases	7.50

### Panel Tests

Test Name	Average Price (\$)
Basic Metabolic Panel (BMP)	11.50
Comprehensive Metabolic Panel (CMP)	14.50
Hepatic Function Panel	11.00
Renal Function Panel	12.00
Electrolyte Panel	9.50
Lipid Panel	18.50
Thyroid Panel	23.50

Price List for Specific Lab Tests (First 150 Common Tests)

Test Label	Average Price (\$)
Alanine Aminotransferase (ALT)	7.50
Albumin	6.80
Albumin, Blood	6.80
Alkaline Phosphatase	7.20
Alpha-1-Antitrypsin	14.50
Alpha-Fetoprotein	22.00
Ammonia	16.00
Amylase	8.80
Anion Gap	5.00
Anti-Nuclear Antibody	17.50
Aspartate Aminotransferase (AST)	7.50
Barbiturates	14.50
Base Excess	6.50
Basophils	4.00
Bicarbonate	5.50
Bilirubin, Direct	7.50
Bilirubin, Total	7.00
Bleeding Time	7.50
Blood Gas pH	7.50
Blood Urea Nitrogen (BUN)	5.80
BUN/Creatinine Ratio	5.00
C Peptide	16.50
C-Reactive Protein	8.00
C3 Complement	13.50
C4 Complement	13.50
CA 125	25.00
CA 15-3	25.00
CA 19-9	25.00
Calcium	5.75
Calcium, Ionized	7.80
Carbon Dioxide	5.50
Carboxyhemoglobin	11.00
Carcinoembryonic Antigen (CEA)	25.00

Test Label	Average Price (\$)
Chloride	5.00
Cholesterol	6.00
Cholesterol, HDL	11.00
Cholesterol, LDL	12.00
Cholinesterase	12.00
Complement, Total	14.00
Cortisol	20.00
Creatine Kinase (CK)	8.50
Creatine Kinase-MB	12.50
Creatinine	6.50
Creatinine Clearance	12.00
D-Dimer	14.00
Digoxin	16.00
Eosinophils	4.00
Erythrocyte Sedimentation Rate	5.50
Estradiol	24.00
Ethanol	14.00
Factitious Blood Gas	6.00
Ferritin	18.50
Fibrin Degradation Products	14.00
Fibrinogen	13.00
Folate	20.00
Free Calcium	7.50
Free Thyroxine Index	12.00
Free Triiodothyronine	22.00
Free Thyroxine	12.00
Gamma Glutamyl Transferase	8.00
Globulin	4.50
Glucose	5.80
Glucose, Body Fluid	6.00
Glucose, CSF	6.00
Glucose-6-Phosphate Dehydrogenase	12.00
Glycosylated Hemoglobin A1C	13.00

Test Label	Average Price (\$)
Haptoglobin	15.00
HCG, Qualitative	10.00
HCG, Quantitative	20.00
Hematocrit	4.50
Hemoglobin	4.75
Hemoglobin A1C	13.00
Hemoglobin A2	16.00
Hemoglobin F	16.00
High Sensitivity CRP	10.00
Homocysteine	23.00
Iron	9.00
Iron Binding Capacity	12.00
Iron Saturation	5.00
Lactate	7.20
Lactate Dehydrogenase (LDH)	8.50
Lipase	9.50
Lithium	12.00
Lymphocytes	4.00
Magnesium	7.00
Mean Corpuscular Hemoglobin (MCH)	3.50
Mean Corpuscular Hemoglobin Concentration (MCHC)	3.50
Mean Corpuscular Volume (MCV)	3.50
Mean Platelet Volume (MPV)	3.50
Methemoglobin	12.00
Monocytes	4.00
Myeloperoxidase Ab	24.00
Neutrophils	4.00
O2 Flow	6.20
O2 Saturation	7.00
Osmolality, Calculated	3.00
Osmolality, Measured	8.10
Oxygen Content	7.00
Oxygen Saturation	7.00

Test Label	Average Price (\$)
Partial Thromboplastin Time (PTT)	8.00
pCO2	6.00
pH	5.50
Phosphate	7.20
Platelets	5.50
pO2	6.00
Potassium	5.20
Prealbumin	17.00
Progesterone	24.00
Prolactin	23.00
Protein, Total	5.00
Prothrombin Time (PT)	5.50
PTH, Intact	25.00
Red Blood Cell Count	4.00
Red Cell Distribution Width	3.50
Required O2	6.00
Reticulocyte Count	7.50
Rheumatoid Factor	8.00
Sodium	5.00
T3 Total	20.00
T3 Uptake	10.50
T4 Total	11.00
Temperature	2.00
Testosterone	24.00
Thyroid Stimulating Hormone	23.00
Thyroxine Binding Globulin	16.00
Total CO2	5.75
Total Calcium	5.75
Transferrin	15.00
Triglycerides	7.50
Troponin I	13.50
Troponin T	13.50
Uric Acid	6.00

Test Label	Average Price (\$)
Urinalysis, Microscopic	4.50
Urinalysis, Routine	3.50
Urobilinogen	4.00
Valproic Acid	17.00
Vancomycin	17.50
Vitamin B12	20.00
Vitamin D, 25-Hydroxy	40.00
White Blood Cell Count	4.00
White Blood Cell Differential	6.00

Blood Gas Analysis Tests

Test Label	Average Price (\$)
Alveolar-arterial Gradient	7.50
Base Excess	6.50
CO2	5.50
Carboxyhemoglobin	11.00
Factitious Blood Gas	6.00
HCO3	5.50
Methemoglobin	12.00
O2 Saturation	7.00
Oxygen Content	7.00
pH, Blood	5.50
pCO2	6.00
pO2	6.00

Category-Based Pricing for Unlisted Tests

For any lab tests not specifically listed above, use the following category-based pricing:

Category	Average Price (\$)
Blood Gas	7.25
Chemistry	8.00
Hematology	6.00
Coagulation	10.50
Fluid	6.75
Immunology	16.50
Microbiology	14.50
ABL (Blood gas analyzer)	7.50
Physician interpretation	15.00

## Note on Data Application

This price list represents approximate Medicare reimbursement rates. For your analytics project with MIMIC-IV data:

1. Match test labels in your d\_labitems.csv file with the labels in this list
2. For tests not found in the specific list, assign prices based on the category they belong to
3. If a test's category is unknown, use \$8.00 as a default average price

These prices were derived from Medicare Clinical Laboratory Fee Schedule (CLFS) data, published clinical laboratory fee schedules, and average pricing information from healthcare industry sources.