

## CLIA '88 Proficiency Testing Limits 1

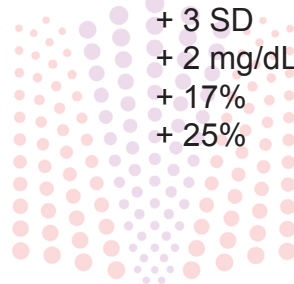
Analyte	Limit
Alanine aminotransferase (ALT, SGPT)	+ 20%
Albumin	+ 10%
Alcohol, blood	+ 25%
Alkaline phosphatase	+ 30%
Alpha-1 antitrypsin	+ 3 SD
Alpha fetoprotein (AFP)	+ 3 SD
Amylase	+ 30%
Antistreptolysin O (ASO)	+ 2 dilution
Aspartate aminotransferase (AST, SGOT)	+ 20%
Bilirubin, total	+ 0.4 mg/dL or 20% (whichever is greater)
Blood gas pO <sub>2</sub>	+ 3 SD
Blood gas pCO <sub>2</sub>	+ 5 mm Hg or 8% (whichever is greater)
Blood gas pH	+ 0.04
Calcium, total	+ 1.0 mg/dL
Carbamazepine	+ 25%
Chloride	+ 5%
Cholesterol, high density lipoprotein (HDL)	+ 30%
Cholesterol, total	+ 10%
Complement C3	+ 3 SD
Complement C4	+ 3 SD
Cortisol	+ 25%
Creatine kinase (CK)	+ 30%
Creatine kinase isoenzymes (CK-MB)	+ 3 SD
Creatinine	+ 0.3 mg/dL or 15% (whichever is greater)
Digoxin	+ 0.2 ng/mL or 20% (whichever is greater)
Ethosuximide	+ 20%
Free thyroxine (Free T4)	+ 3 SD
Gentamicin	+ 25%
Glucose	+ 6 mg/dL or 10% (whichever is greater)
Human chorionic gonadotropin (hCG)	+ 3 SD
IgA	+ 3 SD
IgG	+ 25%
IgM	+ 3 SD
Iron, total	+ 20%
Lactate dehydrogenase (LDH)	+ 20%
Lithium	+ 0.3 mmol/L or 20% (whichever is greater)
Magnesium	+ 25%
Phenobarbital	+ 20%
Phenytoin	+ 25%



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**Analyte****Limit**

Potassium	+ 0.5 mmol/L
Quinidine	+ 25%
Rheumatoid factor (RF)	+ 2 dilution
Sodium	+ 4 mmol/L
T3 uptake	+ 3 SD
Theophylline	+ 25%
Thyroid stimulating hormone (TSH)	+ 3 SD
Thyroxine (T4)	+ 1.0 mcg/dL or 20% (whichever is greater)
Tobramycin	+ 25%
Total protein	+ 10%
Triglycerides	+ 25%
Triiodothyronine (T3)	+ 3 SD
Urea Nitrogen (BUN)	+ 2 mg/dL or 9% (whichever is greater)
Uric acid	+ 17%
Valproic acid	+ 25%



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1 Federal Register 42 CFR Part 493, Department of Health and Human Services, January 24, 2003; §493.927 through 493.937



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