

**TEa Limits**

Control Level	Mean	Limit %	Limit Val
Level-1			
Level-2			
Level-3			

**If use TEa (%)**

Low	High	1SD

**If use TEa (Value)**

Low	High	1SD

## CLIA '88 PROFICIENCY TESTING LIMITS

ANALYTE	CLIA PROFICIENCY LIMIT
Alcohol, Blood	± 25%
Alanine Aminotransferase (ALT/SGPT)	± 20%
Albumin	± 10%
Alkaline Phosphatase	± 30%
Alpha-1 Antitrypsin	Target value ± 3 SD
Alpha-Fetoprotein (Tumor Marker) AFP	Target value ± 3 SD
Amylase	± 30%
Antinuclear Antibody	Target value ± 2 dilutions or positive/ negative
Antistreptolysin 0	Target value ± 2 dilutions or positive/ negative
Anti-Human Immunodeficiency Virus	Reactive or nonreactive
Aspartate Aminotransferase (AST/SGOT)	± 20%
Bilirubin, Total	Target value ± 20% or ± 0.4 mg/dl (greater)
Calcium, Total	Target value ± 1.0 mg/dl.
Carbamazepine	± 25%
Cell Identification	90% or greater consensus on identification
Chloride	± 5%
Cholesterol, High Density Lipoprotein	± 30%
Cholesterol, Total	± 10%
Complement C3	Target value ± 3 SD
Complement C3C	Target value ± 3 SD
Complement C4	Target value ± 3 SD
Cortisol	± 25%
Creatine Kinase	± 30%
Creatine Kinase CK-MB	Target value ± 3 SD or presence/ absence
Creatinine	Target value ± 15% or ± 0.3 mg/dl (greater)
Digoxin	Target value ± 20% or ± 0.2 ng/ml (greater)
Erythrocyte Count RBC	± 6%
Ethosuximide	± 20%
Fibrinogen	± 20%
Free Thyroxine Free T4	Target value ± 3 SD
Gentamicin	± 25%
Glucose	Target value ± 10% or ± 6 mg/dl (greater)
Hematocrit (Excluding Spun Hematocrits) HCT	± 6%
Hemoglobin Hgb, Total	± 7%
Hepatitis (HbsAg, anti-HBc, HbeAg)	Reactive (positive) or nonreactive (negative)
Human Chorionic Gonadotropin Beta	Target value ± 3 SD or positive/ negative
Human Chorionic Gonadotropin Intact	Target value ± 3 SD or positive/ negative
Human Chorionic Gonadotropin Qualitative	Target value ± 3 SD or positive/ negative
Human Chorionic Gonadotropin Total	Target value ± 3 SD or positive/ negative
IgA	Target value ± 3 SD
IgE	Target value ± 3 SD
IgG	± 25%
IgM	Target value ± 3 SD
Infectious Mononucleotides	Target value ± 2 dilutions or positive/ negative
Iron, Total	± 20%

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ANALYTE	CLIA PROFICIENCY LIMIT
Lactate Dehydrogenase (LDH)	± 20%
LDH Isoenzymes	Target value ± 30% or (+ or -)
LDH Isoenzymes 1	Target value ± 30% or (+ or -)
LDH Isoenzymes 2	± 30%
LDH Isoenzymes 3	± 30%
LDH Isoenzymes 4	± 30%
LDH Isoenzymes 5	± 30%
Lead	Target value ± 10% or ± 4 mcg/dL (greater)
Leukocyte Count WBC	± 15%
Lithium	Target value ± 20% or ± 0.3 mmol/L (greater)
Magnesium	± 25%
NAPA	± 25%
Partial Thromboplastin Time	± 15%
pCO <sub>2</sub>	Target value ± 8% or ± 5 mm Hg (greater)
pH	Target value ± 0.04
pO <sub>2</sub>	Target value ± 3 SD
Phenobarbital	± 20%
Phenytoin	± 25%
Platelet Count PLT	± 25%
Potassium	Target value ± 0.5 mmol/L
Primidone	± 25%
Procainamide (and metabolite)	± 25%
Prothrombin Time	± 15%
Quinidine	± 25%
Rheumatoid Factor	Target value ± 2 dilutions or positive/ negative
Rubella	Target value ± 2 dilutions or positive/ negative
Sodium	Target value ± 4 mmol/L
T3 Uptake	Target value ± 3 SD
Theophylline	± 25%
Thyroid-stimulating Hormone TSH	Target value ± 3 SD
Thyroxine T4 Total	Target value ± 20% or ± 1.0 mcg/dL (greater)
Tobramycin	± 25%
Total Protein Serum	± 10%
Triglycerides	± 25%
Triiodothyronine T3 Total	Target value ± 3 SD
Urea Nitrogen	Target value ± 9% or ± 2 mg/dL (greater)
Uric Acid	± 17%
Urine/Spinal	± 10%
Valproic Acid	± 25%
White Blood Cell Differential	Target value ± 3 SD based on the percentage of different types of white blood cells in the samples