

جدول خطاهای مجاز آزمایشگاهی

Laboratory Allowable Errors

Analyte	CLIA %TEa	RCPA %TEa	Rilibeak %TEa	CAP %TEa	BV %TEa	BV %CV	BV %Bias
P ACTH	-	10%	-	-	-	-	-
U Adrenaline	-	33%	-	-	-	-	-
S AFP	20%	20%	17%	3 SD	21.9%	6.1%	11.8%
S Albumin	8%	10%	12.5%	10%	4.1%	1.6%	1.4%
U Albumin	-	10%	15%	3 SD	40.6%	14.8%	16.3%
S Alkaline Phosphatase	20%	15%	11%	30%	12%	3.2%	6.7%
S Alpha-1 antitrypsin	20%	-	-	3 SD	9.2%	3%	4.3%
S Amylase	10%	15%	-	30%	14.6%	4.4%	7.4%
S ASO-Antistreptolysin O	3SD	-	-	2 SD	-	-	-
S B-HCG	18%	15%	17%	3 SD	-	-	-
S Bilirubin Direct	-	20%	-	20%	44.5%	18.4%	14.2%
S Bilirubin Total	20%	10%	22%	20%	26.9%	10.9%	9%
B Blood Lead	10%	-	-	10%	-	-	-
P C protein	-	-	-	-	18.7%	2.9%	13.9%
S C3 Complement	15%	-	-	3 SD	8.4%	2.6%	4.1%
S C4 Complement	20%	-	-	3 SD	16%	4.5%	8.6%
S CA 19.9	-	15%	-	-	46%	8%	32.9%
S CA 125	20%	20%	-	-	35.4%	12.4%	15%
S CA 15.3	-	15%	16%	-	20.8%	3.1%	15.8%
S Calcium	1 mg/dL	0.1 mmol/L	6%	1 mg/dL	6.1%	2.7%	1.7%
U Calcium U 24h	-	0.2 mmol/L	8.5%	31%	34.1%	13.8%	11.4%
S Carbamazepine	20%	10%	12%	25%	-	-	-
S Ceruloplasmin	-	-	-	3 SD	7.9%	2.9%	3.1%
S CEA	15%	20%	14%	3 SD	24.7%	6.4%	14.3%
S Chloride	5%	3 mmol/L	4.5%	5%	1.5%	0.6%	0.5%
S Cholesterol	10%	5%	7%	10%	9%	3%	4.1%
S CK-MB	25%	15%	-	3 SD	24.1%	9.9%	7.8%
S Copper	-	-	-	-	7.5%	2.4%	3.6%
S Cortisol	20%	15%	18.5%	25%	22.8%	7.6%	10.3%
S CPK	20%	15%	11%	30%	30.3%	11.4%	11.5%
S Creatinine	10%	10%	11.5%	15%	8.9%	3%	4%
U Creatinine U 24	-	10%	12%	17%	28.4%	12%	8.6%
S CRP	30%	-	13.5%	2 SD	56.6%	21.1%	21.8%
B D-Dimer	-	-	-	30%	28%	11.7%	8.8%
S DHEAs	-	10%	-	-	13.1%	3.2%	7.8%
S Digoxin	15%	10%	17.5%	20%	-	-	-
B ESR	-	-	-	3 SD	-	-	-
S Estradiol	30%	20%	22%	30%	26.9%	11.3%	8.3%
S Estriol Total	-	10%	-	25%	-	-	-
S Estrogen	-	-	-	2.5 SD	-	-	-
S Ethosuximide	-	10%	-	15%	-	-	-
S Ferritin	20%	30%	13.5%	3 SD	16.9%	7.1%	5.2%
P Fibrinogen	20%	-	-	20%	19.3%	7.1%	7.7%
S Folic Acid	30%	30%	-	3 SD	39%	12%	19.2%
S Free BHCG	-	15%	-	3 SD	-	-	-
S Free PSA	-	15%	-	30%	-	-	-
S Free T3	-	3 pmol/L	13%	-	11.3%	4%	4.8%
S Free T4	15%	15%	13%	3 SD	8%	2.9%	3.3%
S Free Testosterone	-	-	-	30%	-	4.7%	-
S FSH	18%	20%	14%	3 SD	21.2%	5.5%	12.1%
S GGT	15%	15%	11.5%	3 SD	22.1%	6.7%	11.1%
S Growth Hormone	-	20%	-	-	-	-	-
S Glucose	8%	10%	11%	10%	7%	2.8%	2.3%
U Glucose Urine	-	10%	11%	10%	-	-	-
B G6PD	-	-	-	-	38.5%	16.4%	11.4%
B Hb	4%	3%	5%	7%	4.2%	1.4%	1.8%
B Hb A1c	8%	5%	10%	25%	3%	0.9%	1.5%
B Hb A2	-	-	-	-	2.5%	0.4%	1.9%
S HBc Ab	Pos / Neg	-	-	-	-	-	-
S HBsAb	Pos / Neg	-	-	-	-	-	-
S HBsAg	Pos / Neg	-	-	-	-	-	-
S HBsAb	Pos / Neg	-	-	-	-	-	-
S HBsAg	Pos / Neg	-	-	-	-	-	-
S HCV Ab	Pos / Neg	-	-	-	-	-	-
B Hct	4%	-	5%	6%	4%	1.4%	1.7%
S HDL-Chol	20%	10%	-	30%	11.6%	3.7%	5.6%

Analyte	CLIA %TEa	RCPA %TEa	Rilibeak %TEa	CAP %TEa	BV %TEa	BV %CV	BV %Bias
S IgA	20%	-	12%	15.5%	13.5%	2.7%	9.1%
S IgE	20%	20%	-	3 SD	-	-	-
S IGF-1	-	15%	-	-	24%	7.3%	11.9%
S IgG	20%	-	10%	25%	8%	2.3%	4.3%
S IgM	20%	-	13%	3 SD	16.8%	3%	11.9%
S Inhibin-A	-	-	-	20%	-	-	-
S Insulin	-	25%	-	25%	32.9%	10.6%	15.5%
S Iron	15%	5 µmol/L	-	20%	30.7%	13.3%	8.8%
S LDH	15%	15%	9%	20%	11.4%	4.3%	4.3%
S LDL-Chol	20%	-	-	-	11.9%	3.9%	5.5%
S LH	20%	20%	-	25%	27.9%	11.5%	8.9%
S Lipase	-	20%	-	30%	37.9%	16.1%	11.3%
S Lithium	15%	0.2 mmol/L	6%	20%	-	-	-
S Magnesium	15%	3 mmol/L	7.5%	25%	4.8%	1.8%	1.8%
B MCH	-	-	-	-	2.5%	0.7%	1.4%
B MCHC	-	-	-	-	1.3%	0.5%	0.4%
B MCV	-	-	-	3 SD	2.4%	0.7%	1.3%
S Myoglobin	-	-	-	30%	19.6%	7%	8.2%
U Noradrenaline	-	10%	-	-	-	-	-
S PAPP-A	-	-	-	-	15.1%	6.3%	4.7%
S Phosphorus	10%	10%	9%	10.7%	10.1%	4.1%	3.4%
U Phosphorus	-	2.5 mmol/L	11.5%	23%	22.1%	9%	7.2%
B Platelet	25%	-	8.5%	25%	13.4%	4.6%	5.9%
S Potassium	0.3 mEq/L	0.2 mEq/L	4.5%	0.5 mEq/L	5.6%	2.3%	1.8%
U Potassium	-	10%	8.5%	29%	28.4%	12.2%	8.2%
S Prolactin	-	20%	-	30%	29.4%	11.5%	10.5%
S Progesterone (17 OH)	25%	25%	22%	3SD	29.7%	9.8%	13.5%
S Protein Total	8%	5%	6%	10%	3.6%	1.4%	1.4%
S PSA	20%	15%	15.5%	30%	33.6%	9.1%	18.7%
P PT	15%	-	-	15%	5.3%	2%	2%
P PTT	15%	-	11.5%	15%	4.5%	1.4%	2.3%
S PTH	30%	25%	-	3 SD	30.2%	13%	8.8%
S Pro BNP	30%	-	-	20%	13%	5%	4.7%
B RBC	4%	-	4%	6%	4.4%	1.6%	1.7%
B RDW	-	-	-	-	4.6%	1.8%	1.7%
B Retic	-	-	-	30%	16.8%	5.5%	7.8%
S RF	3SD	-	-	2 SD	13.5%	4.3%	6.5%
S SGOT (AST)	15%	15%	11.5%	20%	16.7%	6.2%	6.5%
S SGPT (ALT)	15%	15%	11.5%	20%	27.5%	9.7%	11.5%
S Sodium	4 mEq/L	3 mEq/L	3%	4 mEq/L	0.7%	0.3%	0.2%
U Sodium	-	10%	6.5%	26%	32%	14.4%	8.3%
P S Protein	-	-	-	-	20.7%	2.9%	15.9%
S T3	30%	20%	16%	3 SD	9.2%	3.5%	3.5%
S T3 uptake	18%	-	-	7%	-	-	-
S T4	20%	15%	12.5%	20%	7%	2.5%	3%
S Testosterone	30%	20%	20.5%	30%	13.6%	4.6%	6%
S TIBC	20%	10 µmol/L	-	20%	-	-	-
S TPO	-	-	-	-	46.2%	5.7%	36.9%
S Triglyceride	15%	10%	9%	25%	26%	10%	9.6%
S Troponin I	30%	10%	20%	30%	27.9%	7%	16.3%
S Troponin T	30%	10%	21%	10%	48.9%	15.3%	23.7%
S TSH	20%	15%	13.5%	3 SD	23.7%	9.7%	7.8%
S UE3	-	20%	-	25%	-	-	-
S Urea	9%	10%	10.5%	9%	15.6%	6.1%	5.6%
S Uric Acid	10%	0.84 mg/dl	7%	17%	12%	4.3%	4.9%
S Valproic acid	20%	10%	11.5%	25%	19.1%	5.3%	10.4%
S Vit B-12	25%	20%	-	30%	30%	7.5%	17.7%
S Vitamin A	-	10%	-	-	-	-	-
P Vitamin B1	-	-	-	-	7.2%	2.4%	3.2%
B Vitamin B2	-	-	-	-	7.7%	2.9%	2.9%
B Vitamin B6	-	-	-	-	26.4%	10%	9.9%
S Vitamin D3	-	15%	-	-	-	-	-
B Vitamin E	-	10%	-	-	11.9%	3.8%	5.6%
B Vitamin K	-	-	-	-	45.9%	19%	14.5%
B WBC	10%	-	6.5%	15%	15.5%	5.7%	6.1%
S Zinc	-	-	-	-	11%	4.7%	3.3%

