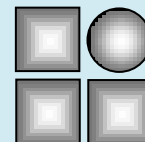
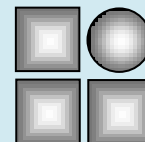


Page 1 of 3	دستور العمل	 دانشگاه علوم پزشکی قم آزمایشگاه فرانس
تاریخ تنظیم: ۱۳۹۰/۱۱/۱۵	CV% خطای مجاز بر اساس معیار های FRASER , CLIA , BIOLOGICAL VARIATION	

ردیف	Analytic	Decision Level, Xc	CLIA	BIOLOGICAL *	FRASER
Routine Chemistry					
1	SGOT	30 U/L	5	6.0	6.0
2	SGPT	50 U/L	5	12.2	12.2
3	ALK	150 U/L	7.33	3.2	3.2
4	Albumin	3.5 g /dl	2.57	1.6	1.71
5	Amylase	100 U/L	7.5	4.4	4.8
6	Bilirubin Total	1 mg /dl	10	11.9	13
		20 mg /dl	5		13
7	Bilirubin Direct			18.4	
8	Ca ,Total	7 mg /dl	3.57	1.0	1.0
		10.8 mg /dl	2.31		1.01
		13 mg /dl	1.92		1.0
9	Cholesterol, Total	200 mg /dl	2.5	2.7	3.0
10	HDL	35 mg /dl	7.42	3.6	3.71
		65 mg /dl	7.53		3.53
11	Creatinine	1 mg /dl	8	2.7	2.0
		3 mg /dl	3.66		2.33
12	Glucose	50 mg /dl	3	2.9	3.4
		126 mg /dl	2.5		3.33
		200 mg /dl	2.5		3.3
13	Iron	150 µg /dl	5	13.3	13.33
14	LDH	300 U/L	5	4.3	4.33
15	Mg	2 mg /dl	6.5	1.8	2.0
16	Phosphate, inorganic	4.5 mg /dl		4.3	4.22
17	Potassium	3 mmol/L	4.33	2.4	2.33
		6 mmol/L	2.16		2.33



ردیف	Analytic	Decision Level, Xc	CLIA	BIOLOGICAL	FRASER
18	Sodium	130 mmol/L	0.77	0.4	0.4
		150 mmol/L	0.66		0.4
19	Protein, total	7 g /dl	2.57	1.4	1.42
20	Lithium	0.5 mmol/L	16	3.6	4.0
		1.5 mmol/L	5.33		4.0
21	TG	160 mg /dl	6.25	10.5	10.62
22	Urea nitrogen	27 mg /dl	2.22	6.2	6.29
23	Uric Acid	6 mg /dl	4.16	4.5	4.33
24	Creatine kinase	200 U/L	7.5	11.4	11.5
Endocrinology					
25	FSH	10 U/L		4.4(males)	5.1
26	LH	6 U/L		7.3	7.33
		55 U/L			7.27
27	Prolactin	15 µg/L		3.5(men)	3.53
		200 µg/L			3.5
28	T3	80 ng/dl		4.4	4.37
		200 ng/dl			4.4
29	T4	3 µg/dl	8.33	2.5	3.0
		13 µg/dl	5.0		3.0
30	TSH	0.3 mIU/L		9.7	10
		5 mIU/L			10
31	FT3			4.0	
32	FT4	0.8 ng/dl		3.8	2.87
		4.0 ng/dl			2.75
33	FERRITIN			7.1	



ردیف	Analytic	Decision Level, Xc	CLIA	BIOLOGICAL	FRASER
34	TESTOSTERONE	90 ng/dl		4.7	4.44
		1000 ng/dl			4.4
35	PSA	2 µg/L		9.1	7.0
Hematology					
36	Erythrocyte count (RBC)	4.5 M/µL	1.55	1.6	1.55
		5.9 M/µL	1.52		1.52
37	Leukocyte count (WBC)	3.5 K/µL	3.71	5.5	5.42
		11 k/µL	3.72		5.27
38	Platelet count	50 k/µL	6.24	4.6	4.6
		500 k/µL	6.24		4.6
39	Hematocrit	35 %	1.51	1.4	1.4
		50 %	1.5		1.4
40	Hemoglobin	12 g /dl	1.75	1.4	1.41
		17 g /dl	1.75		1.41
41	MCH			0.8	
42	MCHC			0.9	
43	MCV			0.7	
44	MPV			2.2	
45	Erythrocyte distribution wide (RDW)			1.8	
46	Platelet distribution wide (PDW)			1.4	
47	PT	INR 3.6	3.88(INR)	2	
48	PTT	40 s	3.75	1.4	
49	Fibrinogen	150 mg/dl	5	5.4	5.33

*ستون Biological بر مبنای Decision Level, Xc نمی باشد.