

College of American Pathologists Survey (CAP) 2012

	test	2012' 2				2012' 3				Performance Interpretation	
		Specimen	Result	Mean	SDI	Specimen	Result	Mean	SDI		
Chemistry	AST	C-06	204	199.7	0.7	C-11	209	204.0	0.7	Satisfactory	
		C-07	46	45.2	0.7	C-12	113	112.4	0.2		
		C-08	200	198.9	0.2	C-13	27	26.7	0.3		
		C-09	79	77.3	0.6	C-14	116	111.7	1.2		
		C-10	260	256.0	0.5	C-15	43	43.0	0.5		
	ALT	C-06	159	157.4	0.6	C-11	175	172.8	0.6	Satisfactory	
		C-07	44	43.3	0.5	C-12	106	105.3	0.8		
		C-08	158	157.2	0.3	C-13	27	27.9	-1.5		
		C-09	82	81.6	0.2	C-14	107	105.9	0.5		
		C-10	204	202.5	0.5	C-15	45	45.7	-0.6		
	ALP	C-06	85	886.2	-0.9	C-11	910	933.4	0.5	Satisfactory	
		C-07	188	192.0	-0.8	C-12	484	491.6	0.0		
		C-08	852	887.0	-1.0	C-13	114	115.6	-0.2		
		C-09	323	330.3	-0.7	C-14	481	492.7	0.0		
		C-10	1090	1133.7	-0.8	C-15	176	179.6	0.0		
	LD	C-06	332	332.7	-0.2	C-11	360	359.7	0.0	Satisfactory	
		C-07	142	143.7	-0.8	C-12	244	244.2	0.0		
		C-08	330	333.1	-0.8	C-13	113	111.2	0.5		
		C-09	201	201.9	-0.3	C-14	244	244.9	-0.2		
		C-10	400	404.4	-0.9	C-15	142	142.0	0.0		
	γ-GT	C-06	131	131.0	0.0	C-11	153	150.7	0.4	Satisfactory	
		C-07	41	39.5	1.7	C-12	96	96.2	-0.1		
	AMY	C-06	218	206.8	0.7	C-11	237	222.6	0.8	Satisfactory	
		C-07	70	67.5	0.5	C-12	142	134.1	0.8		
		C-08	219	207.1	0.7	C-13	54	51.9	0.5		
		C-09	102	97.7	0.7	C-14	142	134.1	0.8		
		C-10	274	258.5	0.8	C-15	71	67.2	0.8		
	CK	C-06	134	132.8	0.4	C-11	260	257.3	0.6	Satisfactory	
		C-07	183	182.5	0.2	C-12	330	329.9	0.0		
		C-08	134	132.3	0.7	C-13	54	53.8	0.1		
		C-09	452	453.6	-0.3	C-14	332	329.8	0.5		
		C-10	161	158.1	1.0	C-15	176	174.5	0.5		
	Cholesterol , Total	C-06	173.72	173.823	0.0	C-11	203.62	204.322	-0.3	Satisfactory	
		C-07	143.32	143.917	-0.3	C-12	194.95	195.128	-0.1		
		C-08	173.88	173.566	0.1	C-13	111.99	111.044	0.7		
		C-09	208.18	208.080	0.0	C-14	194.97	195.500	-0.3		
		C-10	195.62	194.668	0.5	C-15	142.98	142.922	0.0		
	HDL-C	C-06	75.64	71.327	1.1	C-11	90.85	85.883	0.9	Satisfactory	
		C-07	59.41	56.282	1.0	C-12	85.36	81.167	0.8		
		C-08	75.70	71.291	1.1	C-13	44.37	42.300	0.7		
		C-09	90.71	85.836	1.0	C-14	85.68	81.625	0.8		
		C-10	86.75	81.682	1.1	C-15	59.54	56.892	0.7		
	LDL-C	C-06	41.20	44.443	-0.8	C-11	47.80	51.943	-0.9	Satisfactory	
		C-07	35.66	38.984	-0.9	C-12	46.28	49.982	-0.8		
		C-08	41.34	44.591	-0.8	C-13	28.50	30.351	-0.6		
		C-09	51.74	55.218	-0.8	C-14	46.85	50.262	-0.8		
		C-10	45.24	49.270	-0.9	C-15	35.50	38.152	-0.7		
	TG	C-06	120.42	118.889	0.8	C-11	145.52	144.547	0.2	Satisfactory	
		C-07	119.15	116.140	0.6	C-12	152.80	151.820	0.2		
		C-08	120.54	119.111	0.5	C-13	94.00	92.121	0.5		
		C-09	170.97	166.280	0.6	C-14	154.08	151.947	0.5		
		C-10	129.83	128.616	0.4	C-15	119.22	116.973	0.5		
	Protein ,total	C-06	3.7	3.85	-1.4	C-11	4.5	4.59	-0.9	Satisfactory	
		C-07	3.1	3.38	-2.0	C-12	4.3	4.51	-1.6		
		C-08	3.7	3.85	-1.4	C-13	2.4	2.64	-1.7		
		C-09	4.6	4.83	-1.6	C-14	4.3	4.52	-1.7		
		C-10	4.2	4.27	-0.7	C-15	3.1	3.38	-2.1		
	Alb	C-06	2.5	2.49	0.2	C-11	3.0	2.98	0.5	Satisfactory	
		C-07	2.2	2.19	0.1	C-12	2.9	2.90	0.0		
		C-08	2.5	2.48	0.3	C-13	1.7	1.72	-0.2		
		C-09	3.1	3.13	-0.2	C-14	2.9	2.90	0.0		
		C-10	2.7	2.74	-0.4	C-15	2.2	2.20	0.0		
	Glu	C-06	243.5	242.42	0.5	C-11	232.4	231.92	0.3	Satisfactory	
		C-07	85.9	86.13	-0.3	C-12	125.3	124.85	0.6		
		C-08	243.3	242.83	0.2	C-13	94.8	95.00	-0.2		
		C-09	67.6	67.58	0.0	C-14	125.2	125.00	0.2		
		C-10	292.6	291.79	0.3	C-15	86.1	85.54	1.1		
	BUN	C-06	36.4	35.93	0.8	C-11	37.3	37.89	-0.7	Satisfactory	
		C-07	13.7	13.46	0.9	C-12	23.4	23.52	-0.2		
		C-08	35.6	35.93	-0.6	C-13	11.5	11.58	-0.3		
		C-09	17.7	17.50	0.5	C-14	23.5	23.58	-0.1		
		C-10	44.1	44.13	0.0	C-15	13.5	13.55	-0.1		
	CRE	C-06	3.67	3.679	-0.2	C-11	2.13	2.102	0.8	Satisfactory	
		C-07	5.78	5.846	-0.7	C-12	3.02	3.009	0.2		
		C-08	3.65	3.676	-0.5	C-13	7.47	7.479	-0.1		
		C-09	2.65	2.653	-0.1	C-14	3.03	3.009	0.4		
		C-10	2.42	2.431	-0.2	C-15	5.89	5.871	0.2		
	UA	C-06	10.5	10.43	0.5	C-11	9.3	9.31	0.0	Satisfactory	
		C-07	4.9	4.95	-0.8	C-12	5.2	5.24	-0.6		
		C-08	10.4	10.43	-0.2	C-13	6.0	6.09	-1.0		
		C-09	2.6	2.67	-1.1	C-14	5.2	5.25	-0.6		
		C-10	11.8	11.91	-0.6	C-15	5.0	4.97	0.3		
	Bil,Direct	C-06	1.0	1.00	0.0	C-11	0.8	0.82	-0.3	No appropriate target	
		C-07	2.4	2.39	0.1	C-12	1.5	1.70	-2.2		
		C-08	0.9	0.98	-2.2	C-13	2.8	2.70	0.6		
		C-09	1.7	1.97	-1.3	C-14	1.5	1.73	-4.8		
		C-10	0.4	0.40	0.0	C-15	2.4	2.36	0.4		
			C-06	2.2	2.11	1.1	C-11	1.8	1.78	0.3	

Bil,Total	C-07	4.8	4.68	1.0	C-12	3.1	3.10	0.0	Satisfactory
	C-08	2.1	2.08	0.2	C-13	5.3	5.30	0.0	
	C-09	3.6	3.57	0.4	C-14	3.1	3.06	0.4	
	C-10	1.1	1.10	0.0	C-15	4.7	4.63	0.6	
Prealbumin	C-06	12.42	12.200	0.3	C-11	14.88	15.540	-0.6	Satisfactory
	C-07	11.02	11.754	-0.6	C-12	14.68	15.311	-0.5	
Lactate	C-06	3.6	3.60	0.0	C-11	5.2	5.01	0.8	Satisfactory
	C-07	3.0	3.09	-1.6	C-12	5.3	5.10	0.7	
Ca	C-06	12.33	12.273	0.2	C-11	11.43	11.362	0.2	Satisfactory
	C-07	8.67	8.582	0.4	C-12	8.71	8.592	0.6	
	C-08	12.39	12.282	0.3	C-13	9.43	9.561	-0.6	
	C-09	7.03	6.725	1.3	C-14	8.73	8.593	0.7	
IP	C-10	13.22	13.167	0.1	C-15	8.71	8.622	0.4	Satisfactory
	C-06	2.73	2.713	0.2	C-11	2.21	2.184	0.3	
Na	C-07	5.23	5.230	0.0	C-12	3.70	3.651	0.6	Satisfactory
	C-06	132	132.9	-1.1	C-11	137	136.9	0.1	
	C-07	144	145.1	-1.3	C-12	147	147.5	-0.7	
	C-08	132	132.8	-1.0	C-13	142	141.8	0.3	
	C-09	153	153.4	-0.4	C-14	148	147.6	0.5	
K	C-10	129	130.2	-1.3	C-15	146	146.1	-0.2	Satisfactory
	C-06	3.2	3.20	-0.7	C-11	2.7	2.70	0.0	
	C-07	6.0	6.07	-0.4	C-12	4.4	4.41	-0.4	
	C-08	3.2	3.20	-0.1	C-13	6.6	6.59	0.4	
Cl	C-09	5.0	5.04	-0.1	C-14	4.4	4.40	0.0	Satisfactory
	C-10	2.1	2.12	-0.7	C-15	6.1	6.08	0.6	
	C-06	88	88.7	0.2	C-11	92	92.8	-0.7	
	C-07	106	107.1	0.4	C-12	106	107.3	-1.0	
Mg	C-08	88	88.7	0.3	C-13	104	105.4	-1.2	Satisfactory
	C-09	113	115.0	1.3	C-14	106	107.3	-0.9	
	C-10	84	84.1	0.1	C-15	108	109.1	-0.9	
	C-06	2.42	2.488	-0.7	C-11	1.94	1.865	1.1	
Fe	C-07	5.15	5.215	-0.4	C-12	3.52	3.407	1.1	Satisfactory
	C-08	2.49	2.503	-0.1	C-13	6.04	5.974	0.4	
	C-09	3.73	3.742	-0.1	C-14	3.56	3.449	1.3	
	C-10	1.32	1.380	-0.7	C-15	5.42	5.256	1.1	
Iron Binding Unset	C-06	141	140.6	0.1	C-11	194	193.7	0.1	No appropriate target
	C-07	111	110.3	0.3	C-12	193	191.1	0.5	
	C-08	140	140.1	0.0	C-13	58	56.9	1.0	
	C-09	216	216.1	0.0	C-14	192	190.9	0.3	
	C-10	169	168.3	0.3	C-15	111	109.6	0.6	
TSH	C-06	51	54.3	-1.2	C-11	43	40.3	1.4	Satisfactory
	C-07	53	53.9	-0.3	C-12	37	35.8	0.5	
	C-08	48	54.2	-2.1	C-13	67	65.2	0.4	
	C-09	26	29.2	-0.9	C-14	38	35.7	0.5	
	C-10	46	50.2	-1.3	C-15	56	51.7	1.0	
FT3	C-06	1.08	1.066	0.6	C-11	3.52	3.479	0.5	Satisfactory
	C-07	3.34	3.302	0.5	C-12	5.90	5.728	1.3	
	C-08	1.08	1.067	0.6	C-13	0.80	0.787	0.7	
	C-09	8.02	7.912	0.6	C-14	5.84	5.729	0.8	
	C-10	1.18	1.160	0.7	C-15	3.37	3.327	0.6	
FT4	C-06	8.6	8.46	0.4	C-11	14.4	13.05	2.5	Satisfactory
	C-07	7.3	7.06	0.8	C-12	15.3	13.71	2.8	
	C-08	9.0	8.48	1.6	C-13	2.7	2.43	1.9	
	C-09	16.1	15.76	0.5	C-14	15.4	13.68	3.1	
hCG	C-10	10.7	10.45	0.6	C-15	8.0	7.06	3.0	Satisfactory
	C-06	2.5	2.42	0.9	C-11	3.5	3.36	0.9	
	C-07	2.3	2.23	0.8	C-12	3.7	3.60	0.6	
	C-08	2.5	2.43	0.7	C-13	1.2	1.14	1.3	
Cortisol	C-09	4.6	4.34	1.3	C-14	3.8	3.60	1.1	Satisfactory
	C-10	2.8	2.81	-0.1	C-15	2.3	2.16	1.5	
	C-06	283.2	296.14	-1.3	C-11	471.5	491.21	-1.1	
	C-07	203.1	208.70	-0.8	C-12	491.6	500.12	-0.5	
	C-08	288.1	295.56	-0.8	C-13	11.2	11.48	-0.6	
Transferrin	C-09	586.1	602.71	-0.8	C-14	483.8	500.08	-0.9	Satisfactory
	C-10	379.7	390.91	-0.9	C-15	200.2	207.98	-1.0	
	C-06	12.0	11.43	1.2	C-11	19.5	18.29	1.3	
	C-07	11.3	10.52	1.6	C-12	21.3	19.73	1.5	
Carbamazepine	C-08	11.9	11.49	0.9	C-13	5.1	4.57	2.1	Satisfactory
	C-09	23.4	22.33	1.2	C-14	21.6	19.78	1.8	
	C-10	14.3	13.73	1.0	C-15	12.3	10.97	2.3	
	C-06	126.04	131.593	-0.9	C-11	155.98	155.923	0.0	
	C-07	110.40	115.803	-1.0	C-12	153.73	153.663	0.0	
Digoxin	C-08	126.74	131.705	-0.8	C-13	89.09	91.420	-0.5	Satisfactory
	C-09	159.30	164.649	-0.6	C-14	153.05	153.803	-0.1	
	C-10	139.40	145.394	-0.8	C-15	114.19	115.597	-0.3	
	C-06	14.7	14.42	0.5	C-11	16.4	16.56	-0.1	
Phenobarbital	C-07	5.7	5.59	0.5	C-12	10.6	10.62	0.0	Satisfactory
	C-08	14.6	14.38	0.3	C-13	4.1	4.02	0.4	
	C-09	8.4	8.80	-1.0	C-14	10.7	10.69	0.0	
	C-10	18.6	18.77	-0.1	C-15	5.7	5.67	0.1	
	C-06	1.0	1.04	-8.0	C-11	1.5	1.51	-0.2	
Phenobarbital	C-07	1.1	1.09	0.2	C-12	1.6	1.68	-1.4	Satisfactory
	C-08	1.1	1.05	0.9	C-13	0.6	0.62	-0.5	
	C-09	2.0	2.00	0.0	C-14	1.5	1.69	-3.5	
	C-10	1.2	1.19	0.2	C-15	1.0	1.09	-1.7	
Phenobarbital	C-06	30.5	30.52	0.0	C-11	44.9	44.92	0.0	Satisfactory
	C-07	29.3	29.42	-0.1	C-12	49.1	49.02	0.0	
	C-08	31.1	30.50	0.4	C-13	15.0	15.42	-0.5	
	C-09	58.9	58.69	0.1	C-14	48.9	49.21	-0.1	
	C-10	36.0	36.21	-0.1	C-15	28.9	29.56	-0.4	
Phenobarbital	C-06	23.6	23.69	-0.1	C-11	25.4	25.16	0.2	Satisfactory
	C-07	8.1	8.10	0.0	C-12	16.6	15.71	1.5	

	Phenytoin	C-08	23.6	23.87	-0.2	C-13	6.3	6.08	0.9	Satisfactory
		C-09	11.9	12.00	-0.2	C-14	17.2	15.78	2.4	
		C-10	29.2	29.54	-0.2	C-15	8.5	8.07	1.5	
	Valproic acid	C-06	38.9	39.54	-0.3	C-11	48.3	50.21	-0.7	Satisfactory
		C-07	71.1	70.35	0.2	C-12	75.8	74.14	0.4	
		C-08	40.0	39.74	0.1	C-13	59.7	58.71	0.3	
		C-09	92.7	92.17	0.1	C-14	74.2	74.54	-0.1	
	Vancomycin	C-10	33.8	33.27	0.3	C-15	71.3	69.95	0.4	Acceptable
		C-06	19.98	20.058	-0.1	C-11	27.62	28.529	-0.5	
		C-07	17.65	17.396	0.3	C-12	28.12	29.744	-0.8	
C-08		20.66	20.098	0.3	C-13	8.16	7.977	0.4		
Hematology	WBC	C-09	34.80	35.083	-0.1	C-14	28.40	29.906	-0.8	Satisfactory
		C-10	24.15	24.103	0.0	C-15	17.01	17.210	-0.2	
		FH-6	2.7	2.82	-1.4	FH-11	17.1	17.75	-1.6	
		FH-7	7.3	7.57	-1.4	FH-12	2.9	2.98	-0.8	
		FH-8	16.7	17.10	-1.1	FH-13	6.5	6.80	-1.7	
	RBC	FH-9	2.8	2.89	-1.0	FH-14	7.5	7.52	-0.1	Satisfactory
		FH-10	6.3	6.46	-0.9	FH-15	2.9	2.94	-0.4	
		FH-6	5.19	5.141	0.8	FH-11	5.18	5.121	0.9	
		FH-7	2.46	2.442	0.6	FH-12	2.31	2.290	0.7	
		FH-8	5.21	5.153	0.9	FH-13	4.34	4.276	1.3	
Hgb	FH-9	2.31	2.291	0.7	FH-14	2.59	2.558	1.0	Satisfactory	
	FH-10	4.37	4.311	1.1	FH-15	5.18	5.130	0.8		
	FH-6	16.4	16.14	1.4	FH-11	16.2	15.91	1.6		
	FH-7	6.8	6.61	2.2	FH-12	5.8	5.62	2.4		
Het	FH-8	16.7	16.34	1.9	FH-13	12.0	11.71	2.1	Satisfactory	
	FH-9	6.0	5.84	2.1	FH-14	6.8	6.64	1.8		
	FH-10	12.9	12.55	2.4	FH-15	16.8	16.41	2.0		
	FH-6	46.82	45.711	1.7	FH-11	45.66	44.899	1.1		
	FH-7	19.86	19.409	0.9	FH-12	17.19	16.994	0.9		
MCV	FH-8	47.44	46.272	1.6	FH-13	35.07	34.342	1.2	Satisfactory	
	FH-9	17.92	17.586	0.7	FH-14	19.93	19.613	0.6		
	FH-10	37.32	36.299	1.7	FH-15	47.41	46.746	0.9		
	FH-6	90.3	88.88	1.7	FH-11	88.2	87.52	0.8		
	FH-7	80.6	79.42	1.6	FH-12	74.5	74.05	0.6		
RDW	FH-8	91.0	89.67	1.6	FH-13	80.9	80.22	0.9	Satisfactory	
	FH-9	77.5	76.50	1.4	FH-14	77.0	76.34	0.9		
	FH-10	85.4	84.15	1.6	FH-15	91.5	90.95	0.6		
	FH-6	45.3	45.32	0.0	FH-11	43.8	43.55	0.4		
	FH-7	41.2	40.99	0.6	FH-12	44.3	43.45	1.9		
Platelet	FH-8	44.8	45.04	-0.5	FH-13	43.2	42.78	0.9	Satisfactory	
	FH-9	45.1	44.12	1.7	FH-14	43.9	42.90	1.6		
	FH-10	42.3	42.01	0.6	FH-15	44.6	44.44	0.3		
	FH-6	104	113.4	-1.9	FH-11	449	469.8	-1.7		
	FH-7	298	315.4	-2.0	FH-12	52	54.3	-0.8		
Neut/Gran	FH-8	429	458.6	-2.5	FH-13	200	206.9	-1.2	Satisfactory	
	FH-9	51	53.4	-0.9	FH-14	308	321.5	-1.6		
	FH-10	193	206.0	-2.2	FH-15	114	116.1	-0.5		
	FH-6	48.3	48.89	-0.5	FH-11	52.4	52.67	-0.3		
	FH-7	54.7	54.78	-0.1	FH-12	45.5	45.68	-0.2		
Lymphocytes	FH-8	53.7	53.67	0.0	FH-13	48.3	48.42	-0.1	Satisfactory	
	FH-9	45.8	45.40	0.3	FH-14	46.5	47.47	-1.0		
	FH-10	48.0	48.51	-0.5	FH-15	43.9	44.65	-0.6		
	FH-6	32.7	31.17	1.1	FH-11	27.8	26.33	2.2		
	FH-7	24.4	22.59	2.0	FH-12	35.2	34.33	0.8		
Monocytes	FH-8	26.0	24.91	1.3	FH-13	31.9	31.16	1.0	Satisfactory	
	FH-9	35.2	34.92	0.2	FH-14	33.5	31.90	2.1		
	FH-10	32.8	31.31	1.8	FH-15	38.8	37.48	1.1		
	FH-6	7.90	9.474	-1.4	FH-11	8.79	9.726	-1.5		
	FH-7	9.10	10.762	-2.2	FH-12	9.43	10.118	-0.8		
Eosinophils	FH-8	8.98	9.825	-1.1	FH-13	9.66	9.985	-0.5	Satisfactory	
	FH-9	9.50	9.922	-0.5	FH-14	9.53	10.360	-1.5		
	FH-10	8.46	9.677	-2.1	FH-15	8.00	8.283	-0.3		
	FH-6	11.1	10.51	0.7	FH-11	11.0	11.30	-0.4		
	FH-7	11.7	11.84	-0.2	FH-12	9.9	9.89	0.0		
Basophils	FH-8	11.3	11.60	-0.4	FH-13	10.1	10.43	-0.4	Satisfactory	
	FH-9	9.5	9.76	-0.3	FH-14	10.4	10.28	0.2		
	FH-10	10.8	10.52	0.3	FH-15	9.3	9.62	-0.4		
	FH-6	70.7	71.31	-0.5	FH-11	72.1	72.49	-0.6		
	FH-7	78.5	78.54	-0.1	FH-12	65.7	64.99	0.6		
Immature Gran	FH-8	74.3	74.38	-0.1	FH-13	67.6	67.89	-0.3	Scientific committee decision	
	FH-9	64.1	64.08	0.0	FH-14	68.5	68.71	-0.3		
	FH-10	67.3	67.66	-0.4	FH-15	64.3	63.88	0.3		
	FH-6	11.2	11.40	-0.3	FH-11	12.1	12.21	-0.2		
	FH-7	12.7	12.80	-0.2	FH-12	10.5	10.66	-0.3		
nRBC Absolute	FH-8	12.0	12.48	-0.8	FH-13	11.2	11.23	-0.1	Scientific committee decision	
	FH-9	10.8	10.65	0.3	FH-14	10.8	11.02	-0.4		
	FH-10	11.4	11.39	0.0	FH-15	10.3	10.25	0.1		
	FH-6	0.00	0.002	-0.1	FH-11	1.08	1.136	-1.0		
	FH-7	0.00	0.001	-0.1	FH-12	0.14	0.148	-0.5		
nRBC %	FH-8	1.02	1.080	-1.3	FH-13	0.42	0.426	-0.2	Scientific committee decision	
	FH-9	0.16	0.153	0.4	FH-14	0.00	0.000	0.0		
	FH-10	0.40	0.424	-0.8	FH-15	0.00	0.000	0.0		
	FH-6	0.0	0.07	-0.1	FH-11	6.8	6.85	-0.2		
	FH-7	0.0	0.00	0.0	FH-12	5.0	5.22	-0.4		
	FH-8	6.5	6.75	-0.8	FH-13	6.9	6.69	0.5	Scientific committee decision	
	FH-9	5.8	5.59	0.3	FH-14	0.0	0.00	0.0		
	FH-10	6.8	7.04	-0.5	FH-15	0.0	0.00	0.0		
	BCP-11	NEUTROPHIL_SEG/BAND			BCP-21	ERYTHROCYTE w/PLATELET				Good
BCP-12	NRBC.NORM/ABN MORPHOL			BCP-22	POLYCHROMATOPHILIC RBC			Good		
BCP-13	MONOCYTE			BCP-23	PLATELET,NORMAL			Good		
BCP-14	EOSINOPHIL.ANY STAGE			BCP-24	EOSINOPHIL.ANY STAGE			Good		

Clinical Microscopy	Blood cell ID	BCP-15	TARGET CELL			BCP-25	MONOCYTE			Good
		BCP-16	PAPPENHEIMER,WRIGHT			BCP-26	LYMPHOCYTE			Educational challenge
		BCP-17	PLATELET,NORMAL			BCP-27	NEUTROPHIL,SEG/BAND			Educational challenge
		BCP-18	POLYCHROMATOPHILIC RBC			BCP-28	PLATELET,GIANT			Educational challenge
		BCP-19	ECHINOCYTE(BURR CELL)			BCP-29	PLATELET,NORMAL			Educational challenge
		BCP-20	NRBC,NORM/ABN MORPHOI			BCP-30	LYNPHOCYTE,LG GRANULAF			Educational challenge
	Osmolality-Urine	CM-14	721	722.8	-0.4					Acceptable
		CM-15	915	915.7	-0.1					Acceptable
	hCG,urine	CM-16	866	869.3	-0.7					Acceptable
		CM-14	Negative	Negative						Good
		CM-15	Positive	Positive						Good
	Spec,Gravity,urine	CM-16	Positive	Positive						Good
		CM-14	1.013							No appropriate target/response cannot be graded
		CM-15	1.028							
	CM-16	1.018								
	pH,urine	CM-14	8.0	8.0						Good
		CM-15	7.5	7.5						Good
		CM-16	7.0	7.0						Good
	Protein,urine,qual	CM-14	Negative	Negative						Good
		CM-15	3+	3+						Good
CM-16		3+	3+						Good	
Glucose,urine	CM-14	Negative	Negative						Good	
	CM-15	3+	3+						Good	
	CM-16	Negative	Negative						Good	
Ketone,urine	CM-14	Negative	Negative						Good	
	CM-15	2+	2+						Good	
	CM-16	3+	3+						Good	
Bilirubin,urine	CM-14	Negative	Negative						Good	
	CM-15	3+	3+						Good	
	CM-16	Negative	Negative						Good	
Blood/Hgb,urine	CM-14	Negative	Negative						Good	
	CM-15	3+	3+						Good	
	CM-16	3+	3+						Good	
Leuko Esterase,urine	CM-14	Negative	Negative						Good	
	CM-15	3+	3+						Good	
	CM-16	3+	3+						Good	
Nitrite,urine	CM-14	Negative	Negative						Good	
	CM-15	Positive	Positive						Good	
	CM-16	Positive	Positive						Good	
Urobilinogen,urine	CM-14	0.0-0.2	0.0-0.2						Good	
	CM-15	4.0/6.0	4.0/6.0						Good	
	CM-16	0.0-0.2	0.0-0.2						Good	
Urine Sediment ID	CM-17	YEAST/FUNGLEXTRACELLULR							Good	
	CM-18	URIC ACID CRYSTAL							Good	
	CM-19	MUCUS STRANDS							Good	
	CM-20	LEUKOCYTE NEUT.EOS.LYM							Good	
	CM-21	ERYTHROCYTE.MATURE							Good	
	CM-22	MITOTIC FIGURE							Good	
	CM-23	LYMPHOMA CELL							Educational challenge	
	CM-24	LYMPHOCYTE							Good	
	CM-25	MALIGNANT CELL							Educational challenge	
	CM-26	MONOCYTE/MACROPHAGE							Good	
Coagulation	PT,quant	CGL-6	12.2			CGL-11	13.0			No appropriate target/response cannot be graded
		CGL-7	65.1			CGL-12	61.6			
		CGL-8	33.9			CGL-13	35.6			
		CGL-9	34.8			CGL-14	11.8			
		CGL-10	34.2			CGL-15	35.3			
		CGL-6	Not Prolonged			CGL-11	Not Prolonged			
	PT,qual	CGL-7	Prolonged			CGL-12	Prolonged			Educational challenge
		CGL-8	Prolonged			CGL-13	Prolonged			
		CGL-9	Prolonged			CGL-14	Not Prolonged			
		CGL-10	Prolonged			CGL-15	Prolonged			
		CGL-6	1.0			CGL-11	1.1			
	INR,quant	CGL-7	5.6			CGL-12	5.2			No appropriate target/response cannot be graded
		CGL-8	2.9			CGL-13	3.0			
		CGL-9	3.0			CGL-14	1.0			
		CGL-10	2.9			CGL-15	3.0			
		CGL-6	27			CGL-11	29			
	APTT	CGL-7	85			CGL-12	80			No appropriate target/response cannot be graded
		CGL-8	53			CGL-13	55			
		CGL-9	54			CGL-14	28			
		CGL-10	54			CGL-15	54			
CGL-6		Not Prolonged			CGL-11	Not Prolonged				
APTT,qual	CGL-7	Prolonged			CGL-12	Prolonged			Educational challenge	
	CGL-8	Prolonged			CGL-13	Prolonged				
	CGL-9	Prolonged			CGL-14	Not Prolonged				
	CGL-10	Prolonged			CGL-15	Prolonged				
	CGL-6	288.07	288.100	0.0	CGL-11	261.4	272.917	-0.8		Satisfactory
CGL-7	259.67	253.800	0.3	CGL-12	254.7	268.500	-1.3			
CGL-8	260.60	260.900	0.0	CGL-13	252.1	260.417	-0.8			
CGL-9	256.93	256.700	0.0	CGL-14	280.8	293.500	-1.1			
CGL-10	256.93	257.900	-0.1	CGL-15	250.8	259.250	-1.1			