



Cardiac Markers / Isoenzymes

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
<b>Brain Natriuretic Peptide (BNP)</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Abbott Architect & Abbott Architect c, ci, i	1	1593 - 2837 S	2214.9	207.3	20 - 60 C	40.4	4.3	3362 - 4523 S	3942.6	193.5	728 - 1169 S	948.9	73.5	3529 - 8087 S	5808.2	759.6	11
Alere Triage & Alere Triage	2	587 - 1429 S	1007.8	140.4	37 - 93 S	64.8	9.3	1072 - 2441 S	1756.7	228.1	316 - 681 S	498.5	60.8	1393 - 4806 S	3099.2	568.8	12
Alere Triage & Alere Triage Meter	3	488 - 1535 S	1011.6	174.5	35 - 88 S	61.5	9.0	1032 - 2459 S	1745.4	237.8	306 - 719 S	512.6	68.8	1411 - 4738 S	3074.3	554.4	37
<b>Initial Grouping by Reagent</b>																	
Abbott Architect	4	1593 - 2837 S	2214.9	207.3	20 - 60 C	40.4	4.3	3362 - 4523 S	3942.6	193.5	728 - 1169 S	948.9	73.5	3529 - 8087 S	5808.2	759.6	11
Alere Triage	5	509 - 1513 S	1010.7	167.3	35 - 90 S	62.3	9.1	1042 - 2455 S	1748.2	235.5	307 - 711 S	509.3	67.3	1406 - 4755 S	3080.4	558.1	49
<b>Initial Grouping by Sensitivity or Principle</b>																	
All Abbott BNP	6	1046 - 3329 S	2187.4	380.4	18 - 72 S	45.3	9.0	2175 - 5641 S	3908.1	577.8	447 - 1483 S	964.8	172.7	2726 - 8134 S	5430.1	901.2	16
All Alere BNP	7	458 - 1582 S	1020.1	187.2	29 - 98 S	63.2	11.5	917 - 2627 S	1771.7	284.9	245 - 789 S	516.9	90.8	1348 - 4896 S	3122.4	591.3	56
<b>Total Population</b>																	
Whole Population	8	0 - 2863 S	1260.5	534.1	16 - 100 S	58.0	13.9	0 - 5030 S	2217.1	937.7	0 - 1228 S	600.1	209.3	207 - 6951 S	3578.9	1124.0	78
<b>CK-2 (CK-MB), U/L</b>																	
<b>Total Population</b>																	
Whole Population	1	8 - 32 S	20.3	4.0	1 - 9 S	5.0	1.4	17 - 58 S	37.3	6.8	4 - 20 S	12.3	2.6	36 - 103 S	69.3	11.1	4
<b>CK-2 (CK-MB), ng/mL (ug/L)</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Alere Triage & Alere Triage Meter	1	5 - 15 S	9.9	1.8	0 - 3 S	1.3	0.4	6 - 29 S	17.8	3.8	3 - 8 S	5.4	0.9	18 - 40 S	28.8	3.6	11
Beckman Coulter Access & Beckman Coulter Access	2	27 - 41 S	33.9	2.3	3 - 8 S	5.7	0.9	53 - 69 S	61.0	2.7	17 - 22 S	19.2	0.8	101 - 134 S	117.5	5.6	11
Ortho Vitros & Ortho Vitros 3600, 5600	3	18 - 23 S	20.8	0.9	3 - 5 S	3.8	0.4	32 - 41 S	36.4	1.4	11 - 13 S	12.2	0.4	60 - 76 S	68.1	2.5	10
Siemens Dimension & Siemens Dimension EXL	4	21 - 35 S	27.7	2.3	2 - 6 S	3.8	0.7	44 - 64 S	53.7	3.3	12 - 19 S	15.1	1.2	88 - 127 S	107.9	6.5	23
Siemens Dimension LOCI & Siemens Dimension EXL	5	21 - 32 S	26.8	1.8	1 - 6 S	3.5	1.0	42 - 62 S	52.0	3.3	12 - 17 S	14.4	0.9	79 - 134 S	106.4	9.1	12
<b>Initial Grouping by Reagent</b>																	
Alere Triage	6	4 - 15 S	9.5	1.7	0 - 2 S	1.2	0.4	5 - 29 S	16.9	4.0	2 - 8 S	5.1	1.0	14 - 43 S	28.5	4.7	15
Beckman Coulter Access	7	27 - 40 S	33.8	2.1	3 - 8 S	5.7	0.8	52 - 69 S	60.5	2.8	17 - 22 S	19.2	0.8	101 - 133 S	117.1	5.3	13
Ortho Vitros	8	18 - 23 S	20.8	0.9	3 - 5 S	3.8	0.4	32 - 41 S	36.4	1.4	11 - 13 S	12.2	0.4	60 - 76 S	68.1	2.5	10
Siemens Dimension	9	21 - 34 S	27.5	2.3	2 - 6 S	3.8	0.7	44 - 63 S	53.6	3.2	11 - 19 S	15.0	1.2	89 - 127 S	108.0	6.4	26
Siemens Dimension LOCI	10	19 - 34 S	26.2	2.5	1 - 6 S	3.4	0.9	36 - 65 S	50.6	4.8	11 - 17 S	14.1	1.1	67 - 140 S	103.3	12.1	14
<b>Initial Grouping by Sensitivity or Principle</b>																	
Standardized methods	11	16 - 40 S	27.9	3.9	1 - 8 S	4.2	1.1	34 - 71 S	52.5	6.1	8 - 23 S	15.5	2.4	64 - 143 S	103.5	13.2	83
All Alere Triage Methods	12	5 - 15 S	9.8	1.7	0 - 3 S	1.3	0.4	6 - 29 S	17.8	3.9	2 - 8 S	5.3	1.0	13 - 50 S	31.4	6.3	24
All Ortho Vitros	13	18 - 23 S	20.7	0.9	3 - 5 S	3.8	0.4	32 - 41 S	36.3	1.4	11 - 13 S	12.2	0.4	61 - 75 S	68.0	2.4	11
<b>Total Population</b>																	
Whole Population	14	0 - 48 S	23.6	8.0	0 - 8 S	3.6	1.5	0 - 89 S	43.8	15.0	0 - 27 S	13.1	4.6	0 - 180 S	85.4	31.4	118
<b>Myoglobin</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Siemens CrO2 & Siemens Dimension EXL	1	113 - 210 P	161.4	6.3	18 - 48 C	33.3	2.9	202 - 375 P	288.8	11.5	66 - 122 P	93.9	4.7	399 - 741 P	570.3	24.3	12
<b>Initial Grouping by Reagent</b>																	
Alere Triage	2	89 - 165 P	126.8	21.1	15 - 45 C	29.8	5.8	141 - 262 P	201.7	28.6	54 - 100 P	77.2	9.0	223 - 415 P	319.2	45.9	13
Siemens CrO2	3	113 - 210 P	161.4	6.3	18 - 48 C	33.3	2.9	202 - 375 P	288.8	11.5	66 - 122 P	93.9	4.7	399 - 741 P	570.3	24.3	12
<b>Initial Grouping by Sensitivity or Principle</b>																	
Spectrophotometric	4	101 - 187 P	144.1	23.3	17 - 47 C	31.5	5.0	172 - 319 P	245.3	48.7	60 - 111 P	85.5	11.0	304 - 565 P	434.3	130.6	25
Luminometric	5	90 - 168 P	129.2	23.8	16 - 46 C	30.6	5.7	152 - 282 P	217.2	38.1	55 - 103 P	79.0	15.4	279 - 518 P	398.5	60.5	10
<b>Total Population</b>																	
Whole Population	6	97 - 181 P	139.1	23.9	16 - 46 C	31.1	5.1	166 - 308 P	236.7	46.3	58 - 108 P	83.1	12.6	299 - 555 P	426.9	113.2	37

### NT-proBNP 5v

#### Initial Grouping by Reagent and Instrument

Siemens Dimension LOCI & Siemens Dimension EXL	1	382 - 510	S 446.1	21.4	0 - 37	C 17.1	1.0	880 - 1192	S 1036.3	52.0	176 - 222	S 199.0	7.5	2058 - 2671	S 2364.5	102.1	19
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#### Initial Grouping by Reagent

Ortho Vitros NT-proBNP	2	2199 - 2701	S 2450.0	83.8	91 - 131	C 111.0	3.2	4324 - 5136	S 4730.0	135.2	1107 - 1324	S 1215.5	36.3	8469 - 9860	S 9164.5	231.9	11
Siemens Dimension LOCI	3	382 - 510	S 446.1	21.4	0 - 38	C 17.8	3.2	713 - 1408	S 1060.2	115.8	108 - 305	S 206.5	32.8	1908 - 2879	S 2393.8	161.8	20

#### Total Population

Whole Population	4	0 - 3626	S 1164.6	820.6	0 - 165	S 50.6	38.2	0 - 6831	S 2339.3	1497.2	0 - 1825	S 570.5	418.0	0 - 13064	S 4788.1	2758.7	52
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### Troponin I

#### Initial Grouping by Reagent and Instrument

Alere Triage & Alere Triage Meter	1	1.87 - 3.12	P 2.498	0.538	0 - 0.25	C 0.05	0.0	4.89 - 8.15	P 6.518	1.13	0.54 - 0.94	C 0.737	0.103	10.67 - 17.78	P 14.221	2.212	20
Beckman Access AccuTnl, AccuTnl Enh & Beckman Coulter Access	2	2.04 - 3.41	P 2.726	0.086	0 - 0.28	C 0.077	0.005	4.6 - 7.66	P 6.127	0.264	0.96 - 1.6	P 1.277	0.059	11.4 - 19.0	P 15.199	0.728	18
Ortho Vitros & Ortho Vitros 3600, 5600	3	14.44 - 24.07	P 19.254	0.77	0.25 - 0.65	C 0.447	0.026	28.55 - 47.59	P 38.069	1.344	6.93 - 11.55	P 9.236	0.391	58.56 - 97.59	P 78.075	6.917	13
Siemens Dimension LOCI & Siemens Dimension EXL	4	1.66 - 2.77	P 2.217	0.09	0 - 0.25	C 0.048	0.01	3.34 - 5.57	P 4.455	0.129	0.81 - 1.35	P 1.077	0.042	6.89 - 11.48	P 9.185	0.385	42

#### Initial Grouping by Reagent

Alere Triage	5	1.81 - 3.01	P 2.408	0.524	0 - 0.25	C 0.05	0.0	4.83 - 8.05	P 6.442	1.145	0.52 - 0.92	C 0.72	0.116	10.53 - 17.55	P 14.036	2.15	25
Beckman Access AccuTnl, AccuTnl Enh	6	2.03 - 3.38	P 2.701	0.11	0 - 0.28	C 0.075	0.007	4.56 - 7.6	P 6.079	0.288	0.95 - 1.58	P 1.261	0.072	11.31 - 18.85	P 15.077	0.783	20
Ortho Vitros	7	14.44 - 24.07	P 19.254	0.77	0.25 - 0.65	C 0.447	0.026	28.55 - 47.59	P 38.069	1.344	6.93 - 11.55	P 9.236	0.391	58.56 - 97.59	P 78.075	6.917	13
Siemens Dimension LOCI	8	1.67 - 2.78	P 2.222	0.113	0 - 0.25	C 0.047	0.01	3.35 - 5.58	P 4.465	0.176	0.81 - 1.35	P 1.081	0.063	6.89 - 11.48	P 9.187	0.415	44

#### Initial Grouping by Sensitivity or Principle

Immunofluorometric-not FPIA	9	24.34 - 40.56	P 32.447	1.918	0.43 - 0.83	C 0.633	0.13	39.23 - 65.39	P 52.312	16.932	11.64 - 19.4	P 15.516	1.311	81.95 - 136.58	P 109.262	4.772	13
Luminometric	10	2.2 - 3.66	P 2.929	1.023	0 - 0.28	C 0.077	0.01	5.06 - 8.44	P 6.752	3.02	1.01 - 1.69	P 1.352	0.41	12.51 - 20.85	P 16.679	7.201	21
All Ortho	11	14.33 - 23.89	P 19.113	0.809	0.24 - 0.64	C 0.439	0.031	28.4 - 47.33	P 37.867	1.441	6.89 - 11.49	P 9.191	0.381	59.34 - 98.9	P 79.121	7.865	15
All Siemens	12	1.74 - 2.9	P 2.32	0.386	0 - 0.25	C 0.05	0.017	3.53 - 5.89	P 4.71	0.951	0.84 - 1.4	P 1.117	0.167	7.19 - 11.99	P 9.591	1.982	62

#### Total Population

Whole Population	13	5.84 - 9.73	P 7.787	9.86	0 - 0.35	C 0.151	0.19	10.82 - 18.04	P 14.433	16.917	2.68 - 4.46	P 3.572	4.682	18.63 - 31.04	P 24.834	27.892	145
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### Troponin T

#### Total Population

Whole Population	1	0.24 - 0.44	P 0.337	0.047	0 - 0.19	C 0.091	0.028	0.46 - 0.85	P 0.65	0.118	0.12 - 0.32	C 0.218	0.027	0.85 - 1.57	P 1.209	0.212	7
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