



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	7 - 47	C 27.2	3.1	1735 - 2635 S 2184.8	150.0	721 - 1048 S 884.7	54.5	249 - 401 S 325.0	25.3	3896 - 4862 S 4378.7	161.0	10				
Alere Triage & Alere Triage Meter	2	34 - 78	S 55.7	7.3	873 - 1797 S 1334.7	154.1	450 - 931 S 690.3	80.1	223 - 523 S 372.8	50.0	1347 - 3588 S 2467.4	373.5	39				
<b>Initial Grouping by Reagent</b>																	
Abbott Architect	3	7 - 47	C 27.2	3.1	1735 - 2635 S 2184.8	150.0	721 - 1048 S 884.7	54.5	249 - 401 S 325.0	25.3	3896 - 4862 S 4378.7	161.0	10				
Alere Triage	4	35 - 79	S 56.6	7.3	874 - 1823 S 1348.9	158.1	456 - 940 S 698.0	80.8	229 - 526 S 377.3	49.5	1416 - 3573 S 2494.2	359.5	48				
<b>Initial Grouping by Sensitivity or Principle</b>																	
All Abbott BNP	5	0 - 97	S 37.7	19.8	1700 - 2609 S 2154.7	151.4	663 - 1181 S 921.7	86.4	95 - 655 S 374.6	93.3	3906 - 4801 S 4353.5	149.3	13				
All Alere BNP	6	23 - 94	S 58.5	11.7	839 - 1906 S 1372.4	177.9	418 - 1009 S 713.6	98.4	204 - 564 S 383.9	60.0	1327 - 3745 S 2535.7	403.0	58				
<b>Total Population</b>																	
Whole Population	7	2 - 103	S 52.3	16.8	364 - 2566 S 1465.1	367.0	286 - 1162 S 724.0	145.9	130 - 604 S 367.3	79.1	476 - 5138 S 2807.1	777.1	79				
<b>CK-2 (CK-MB), U/L</b>																	
<b>Total Population</b>																	
Whole Population	1	0 - 72	S 27.0	14.9	0 - 356 S 142.0	71.4	0 - 215 S 83.0	43.8	0 - 141 S 54.0	29.0	171 - 558 S 364.5	64.5	3				
<b>CK-2 (CK-MB), ng/mL (ug/L)</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Beckman Coulter Access & Beckman Coulter Access	1	6 - 8	S 7.1	0.3	51 - 67 S 59.3	2.7	29 - 38 S 33.4	1.6	17 - 22 S 19.4	0.9	97 - 129 S 112.9	5.2	15				
Siemens Dimension & Siemens Dimension EXL	2	4 - 6	S 5.1	0.4	46 - 62 S 53.9	2.6	23 - 33 S 28.0	1.7	12 - 18 S 15.3	0.9	99 - 124 S 111.2	4.2	22				
Siemens Dimension LOCI & Siemens Dimension EXL	3	4 - 6	C 5.0	0.0	46 - 60 S 52.8	2.2	22 - 33 S 27.4	1.7	13 - 18 S 15.3	0.8	89 - 128 S 108.8	6.5	12				
<b>Initial Grouping by Reagent</b>																	
Alere Triage	4	0 - 5	S 2.0	0.9	0 - 45 S 21.4	8.0	6 - 14 S 9.9	1.4	2 - 11 S 6.6	1.4	21 - 47 S 33.8	4.3	11				
Beckman Coulter Access	5	6 - 8	S 7.1	0.3	51 - 67 S 59.0	2.8	27 - 39 S 33.1	1.9	16 - 22 S 19.3	0.9	96 - 129 S 112.3	5.6	16				
Siemens Dimension	6	4 - 6	S 5.0	0.5	45 - 62 S 53.5	2.9	22 - 33 S 27.7	1.9	12 - 18 S 15.2	1.0	94 - 126 S 110.0	5.3	25				
Siemens Dimension LOCI	7	4 - 6	C 4.9	0.3	39 - 64 S 51.6	4.1	20 - 34 S 27.0	2.3	12 - 18 S 15.0	1.1	75 - 138 S 106.5	10.4	14				
<b>Initial Grouping by Sensitivity or Principle</b>																	
Standardized methods	8	2 - 9	S 5.6	1.1	27 - 76 S 51.9	8.1	16 - 40 S 28.0	4.1	9 - 23 S 15.9	2.4	49 - 157 S 103.2	18.0	86				
All Alere Triage Methods	9	0 - 4	S 2.1	0.7	3 - 39 S 21.0	6.1	6 - 15 S 10.2	1.6	2 - 10 S 6.3	1.3	22 - 49 S 35.3	4.4	21				
All Ortho Vitros	10	4 - 6	C 4.9	0.3	31 - 44 S 37.2	2.2	17 - 25 S 21.2	1.3	10 - 15 S 12.8	0.8	57 - 83 S 70.3	4.3	11				
<b>Total Population</b>																	
Whole Population	11	0 - 10	S 4.9	1.7	3 - 87 S 45.1	14.0	1 - 47 S 24.3	7.7	1 - 27 S 13.9	4.2	0 - 179 S 88.3	30.3	118				
<b>Myoglobin</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Siemens CrO2 & Siemens Dimension EXL	1	19 - 49	C 34.0	1.2	194 - 361 P 277.6	16.1	112 - 208 P 160.0	5.1	64 - 120 P 92.1	3.1	397 - 738 P 567.5	21.4	13				
<b>Initial Grouping by Reagent</b>																	
Alere Triage	2	19 - 49	C 33.7	5.6	146 - 272 P 209.0	18.6	93 - 172 P 132.5	13.5	63 - 117 P 89.8	7.0	228 - 423 P 325.7	45.4	11				
Siemens CrO2	3	19 - 49	C 34.0	1.2	194 - 361 P 277.6	16.1	112 - 208 P 160.0	5.1	64 - 120 P 92.1	3.1	397 - 738 P 567.5	21.4	13				
<b>Initial Grouping by Sensitivity or Principle</b>																	
Spectrophotometric	4	19 - 49	C 33.9	3.7	173 - 322 P 247.8	38.1	104 - 192 P 148.0	16.7	64 - 118 P 91.1	5.2	320 - 594 P 456.7	125.3	24				
<b>Total Population</b>																	
Whole Population	5	18 - 48	C 32.6	5.4	163 - 302 P 232.6	42.2	96 - 179 P 137.8	22.7	59 - 110 P 84.7	12.2	302 - 561 P 431.9	115.0	37				
<b>NT-proBNP 5v</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Siemens Dimension LOCI & Siemens Dimension EXL	1	0 - 38	C 17.9	0.9	857 - 1063 S 960.3	34.3	368 - 452 S 410.2	14.1	156 - 196 C 175.8	3.1	2017 - 2641 S 2328.9	104.1	16				

**Initial Grouping by Reagent**

Siemens Dimension LOCI	2	0 - 39	C 18.6	3.0	625 - 1354	S 989.5	121.5	229 - 623	S 426.2	65.6	74 - 297	S 185.4	37.2	1688 - 3073	S 2380.8	230.8	17
Siemens NT-PBNP	3	0 - 132	S 56.3	25.3	0 - 5680	S 2507.8	1057.4	0 - 3087	S 1263.1	607.9	0 - 1706	S 645.9	353.3	0 - 10661	S 5300.7	1786.6	10
<b>Total Population</b>																	
Whole Population	4	0 - 166	S 54.9	37.0	0 - 7273	S 2468.0	1601.8	0 - 3819	S 1252.5	855.4	0 - 1987	S 629.0	452.7	0 - 14087	S 5084.2	3000.9	48

**Troponin I****Initial Grouping by Reagent and Instrument**

Alere Triage & Alere Triage Meter	1	0 - 0.25	C 0.05	0.0	2.81 - 4.69	P 3.748	0.834	0.84 - 1.4	P 1.122	0.347	0.22 - 0.62	C 0.418	0.077	6.79 - 11.32	P 9.054	1.471	17
Beckman Access AccuTnl & Beckman Coulter Access 2		0 - 0.23	C 0.025	0.005	0.83 - 1.39	P 1.108	0.038	0.32 - 0.72	C 0.516	0.032	0.05 - 0.45	C 0.25	0.015	1.95 - 3.25	P 2.603	0.267	12
Ortho Vitros & Ortho Vitros 3600, 5600	3	0.1 - 0.5	C 0.302	0.011	16.0 - 26.67	P 21.336	0.611	8.01 - 13.34	P 10.675	0.368	3.9 - 6.49	P 5.196	0.185	33.17 - 55.28	P 44.225	1.623	12
Siemens Dimension LOCI & Siemens Dimension EXL 4	4	0 - 0.22	C 0.015	0.011	0.63 - 1.04	P 0.834	0.057	0.21 - 0.61	C 0.411	0.031	0 - 0.39	C 0.191	0.017	1.29 - 2.15	P 1.721	0.119	40

**Initial Grouping by Reagent**

Abbott i-STAT	5	0.18 - 0.58	C 0.383	0.139	15.71 - 26.19	P 20.95	9.394	7.47 - 12.45	P 9.958	4.925	3.59 - 5.99	P 4.789	2.397	25.46 - 42.43	P 33.947	7.446	10
Alere Triage	6	0 - 0.25	C 0.05	0.0	2.7 - 4.51	P 3.606	1.064	0.8 - 1.33	P 1.066	0.398	0.28 - 0.68	C 0.48	0.285	6.78 - 11.3	P 9.039	1.416	21
Beckman Access AccuTnl	7	0 - 0.23	C 0.025	0.005	0.83 - 1.38	P 1.104	0.039	0.31 - 0.71	C 0.514	0.031	0.05 - 0.45	C 0.249	0.015	1.94 - 3.23	P 2.585	0.263	13
Ortho Vitros	8	0.1 - 0.5	C 0.302	0.011	16.0 - 26.67	P 21.336	0.611	8.01 - 13.34	P 10.675	0.368	3.9 - 6.49	P 5.196	0.185	33.17 - 55.28	P 44.225	1.623	12
Siemens Dimension LOCI	9	0 - 0.21	C 0.014	0.011	0.61 - 1.02	P 0.819	0.104	0.2 - 0.6	C 0.4	0.07	0 - 0.4	C 0.199	0.059	1.31 - 2.18	P 1.742	0.192	42

**Initial Grouping by Sensitivity or Principle**

Immunofluorometric-not FPIA	10	0.51 - 0.91	C 0.711	0.156	30.03 - 50.04	P 40.035	2.483	14.65 - 24.42	P 19.534	1.685	7.01 - 11.68	P 9.343	0.987	54.96 - 91.6	P 73.277	12.778	12
All other methods	11	0.06 - 0.46	C 0.261	0.207	10.76 - 17.93	P 14.343	12.088	5.12 - 8.54	P 6.829	5.979	2.46 - 4.1	P 3.282	2.894	16.99 - 28.32	P 22.654	16.284	15
Luminometric	12	0 - 0.33	C 0.13	0.13	6.25 - 10.42	P 8.335	9.409	3.19 - 5.31	P 4.249	4.783	1.55 - 2.58	P 2.068	2.303	13.6 - 22.66	P 18.127	19.563	41
Spectrophotometric	13	0 - 0.22	C 0.015	0.013	0.61 - 1.01	P 0.808	0.118	0.21 - 0.61	C 0.405	0.092	0 - 0.4	C 0.195	0.054	1.3 - 2.17	P 1.732	0.177	55

**Total Population**

Whole Population	14	0 - 0.33	C 0.133	0.214	5.83 - 9.72	P 7.776	12.131	2.63 - 4.38	P 3.503	5.737	1.22 - 2.03	P 1.627	2.692	11.02 - 18.37	P 14.698	21.676	145
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**Troponin T****Total Population**

Whole Population	1	0 - 0.18	C 0.08	0.0	0.28 - 0.53	P 0.407	0.052	0.17 - 0.37	C 0.274	0.043	0.07 - 0.27	C 0.166	0.035	0.55 - 1.03	P 0.79	0.0	5
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