AMERICAN ASSOCIATION OF BIOANALYSTS
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PARTICIPANT STATISTICS

# COMPREHENSIVE CHEMISTRY

Chemistry Q1 2010

| | | Specimen 1 | | | | Specimen 2 | | | | Specimen 3 | | | | Specimen 4 | | | | Specimen 5 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name | Line No. | Range & Type | | Mean | SD | Range & Type | | Mean | SD | Range & Type | | Mean | SD | Range & Type | | Mean | SD | Range & Type | | Mean | SD | No. Labs |
| **Gamma-Glutamyltransferase (GGT)** | | | | | | | | | | | | | | | | | | | | | | |
| **Initial Grouping by Reagent and Instrument** | | | | | | | | | | | | | | | | | | | | | | |
| Alfa Wassermann & Alfa Wasser ACE/Centr/Alera | 1 | 140-209 | P | 174.6 | 7 | 22-42 | C | 31.5 | 3 | 54-82 | P | 68.1 | 3 | 88-132 | P | 109.9 | 4 | 8-28 | C | 18.1 | 2 | 18 |
| Beckman & Beckman Synchron CX3/7/9/L | 2 | 201-302 | P | 251.4 | 8 | 32-52 | C | 41.9 | 2 | 74-112 | P | 93.1 | 5 | 124-187 | P | 155.6 | 5 | 14-34 | C | 24.1 | 1 | 17 |
| Beckman & Beckman Unicel DXC series | 3 | 210-315 | P | 262.7 | 8 | 34-54 | C | 44.2 | 2 | 79-119 | P | 98.9 | 4 | 131-197 | P | 164.0 | 5 | 16-36 | C | 25.8 | 1 | 49 |
| Carolina & Beckman Synchron CX3/7/9/L | 4 | 138-206 | P | 172.0 | 11 | 19-39 | C | 29.0 | 2 | 52-78 | P | 65.3 | 4 | 85-128 | P | 106.8 | 8 | 7-27 | C | 16.7 | 1 | 19 |
| J&J Vitros & J&J Vitros not DT or ECi | 5 | 275-412 | P | 343.3 | 12 | 48-72 | P | 59.7 | 3 | 106-159 | P | 132.4 | 5 | 178-266 | P | 221.9 | 7 | 23-43 | C | 33.5 | 3 | 36 |
| J&J Vitros & J&J Vitros 5,1 FS | 6 | 270-404 | P | 336.9 | 9 | 52-78 | P | 64.6 | 2 | 108-162 | P | 135.2 | 4 | 175-263 | P | 218.8 | 7 | 29-49 | C | 38.6 | 1 | 12 |
| Beckman Olympus & Beck Oly AU 400/600/5400 | 7 | 158-236 | P | 196.9 | 10 | 24-44 | C | 33.6 | 2 | 60-90 | P | 75.3 | 4 | 98-147 | P | 122.7 | 6 | 9-29 | C | 19.4 | 1 | 27 |
| Roche Cobas & Roche Cobas Integra | 8 | 177-266 | P | 221.5 | 10 | 25-45 | C | 35.2 | 1 | 65-98 | P | 81.5 | 4 | 109-163 | P | 136.1 | 6 | 9-29 | C | 19.0 | 1 | 11 |
| Siemens & Siemens Advia series | 9 | 188-282 | P | 235.3 | 8 | 28-48 | C | 38.4 | 2 | 71-106 | P | 88.3 | 4 | 116-173 | P | 144.5 | 7 | 11-31 | C | 21.2 | 2 | 11 |
| Siemens Dimension & Siemens Dimension series | 10 | 225-338 | P | 281.8 | 8 | 41-61 | P | 50.9 | 2 | 89-134 | P | 111.2 | 4 | 141-212 | P | 176.7 | 6 | 21-41 | C | 30.5 | 2 | 40 |
| Siemens Dimension & Siemens Dimension EXL | 11 | 225-338 | P | 281.3 | 4 | 41-62 | P | 51.4 | 1 | 89-134 | P | 111.8 | 1 | 142-213 | P | 177.3 | 3 | 21-41 | C | 30.9 | 1 | 11 |
| Siemens Dimension & Siemens Dimension Xpand | 12 | 226-338 | P | 282.1 | 8 | 40-61 | P | 50.4 | 2 | 89-133 | P | 111.1 | 3 | 142-213 | P | 177.7 | 5 | 21-41 | C | 30.8 | 2 | 25 |
| **Initial Grouping by Reagent** | | | | | | | | | | | | | | | | | | | | | | |
| Abbott | 13 | 204-306 | P | 255.2 | 16 | 31-51 | C | 40.6 | 3 | 76-114 | P | 95.4 | 6 | 126-189 | P | 157.3 | 10 | 12-32 | C | 22.2 | 2 | 10 |
| Alfa Wassermann | 14 | 140-209 | P | 174.6 | 7 | 22-42 | C | 31.5 | 3 | 54-82 | P | 68.1 | 3 | 88-132 | P | 109.9 | 4 | 8-28 | C | 18.1 | 2 | 18 |
| Beckman | 15 | 208-313 | P | 260.4 | 11 | 33-53 | C | 43.4 | 2 | 78-117 | P | 97.5 | 5 | 129-194 | P | 161.7 | 7 | 15-35 | C | 25.2 | 2 | 79 |
| Carolina | 16 | 137-206 | P | 171.9 | 11 | 19-39 | C | 29.2 | 2 | 52-79 | P | 65.5 | 4 | 86-128 | P | 107.0 | 7 | 7-27 | C | 16.7 | 1 | 25 |
| DCL/Genzyme | 17 | 176-264 | P | 220.0 | 28 | 27-47 | C | 36.6 | 5 | 66-100 | P | 83.1 | 11 | 110-165 | P | 137.2 | 18 | 11-31 | C | 20.5 | 3 | 13 |
| J&J Vitros | 18 | 273-410 | P | 341.6 | 12 | 49-73 | P | 61.0 | 3 | 106-160 | P | 133.1 | 5 | 176-265 | P | 220.5 | 8 | 25-45 | C | 34.7 | 3 | 50 |
| Beckman Olympus | 19 | 157-236 | P | 196.4 | 10 | 24-44 | C | 34.0 | 3 | 60-90 | P | 75.1 | 4 | 98-147 | P | 122.4 | 6 | 10-30 | C | 19.6 | 2 | 32 |
| Roche Cobas | 20 | 179-269 | P | 224.4 | 11 | 26-46 | C | 35.8 | 2 | 66-100 | P | 83.0 | 4 | 110-165 | P | 137.8 | 7 | 9-29 | C | 19.4 | 1 | 20 |
| Roche/Hitachi 9xx/Mod Szasz | 21 | 182-274 | P | 228.1 | 7 | 26-46 | C | 35.8 | 2 | 67-100 | P | 83.7 | 3 | 112-167 | P | 139.4 | 6 | 9-29 | C | 19.2 | 2 | 13 |
| Siemens | 22 | 187-280 | P | 233.2 | 11 | 28-48 | C | 38.2 | 2 | 70-105 | P | 87.7 | 4 | 115-172 | P | 143.4 | 7 | 12-32 | C | 21.6 | 2 | 12 |
| Siemens Dimension | 23 | 226-339 | P | 282.4 | 9 | 41-61 | P | 50.7 | 2 | 89-134 | P | 111.3 | 4 | 142-213 | P | 177.4 | 6 | 21-41 | C | 30.6 | 2 | 84 |
| **Initial Grouping by Sensitivity or Principle** | | | | | | | | | | | | | | | | | | | | | | |
| Low moderate recovery meth | 24 | 153-229 | P | 191.1 | 18 | 26-46 | C | 35.5 | 18 | 59-88 | P | 73.3 | 7 | 95-143 | P | 119.4 | 11 | 10-30 | C | 19.8 | 3 | 71 |
| Moderate recovery methods | 25 | 168-252 | P | 209.8 | 30 | 24-44 | C | 33.7 | 5 | 62-94 | P | 78.0 | 11 | 104-155 | P | 129.4 | 18 | 9-29 | C | 19.1 | 3 | 87 |
| High moderate recovery meth | 26 | 183-274 | P | 228.5 | 19 | 28-48 | C | 38.0 | 2 | 69-103 | P | 85.8 | 8 | 113-169 | P | 140.8 | 11 | 11-31 | C | 21.4 | 2 | 17 |
| High recovery methods | 27 | 207-311 | P | 259.0 | 13 | 33-53 | C | 43.0 | 3 | 78-116 | P | 97.1 | 5 | 129-193 | P | 160.6 | 8 | 15-35 | C | 24.8 | 2 | 90 |
| Very high recovery methods | 28 | 244-365 | P | 304.5 | 30 | 44-65 | P | 54.6 | 6 | 96-143 | P | 119.5 | 11 | 155-232 | P | 193.4 | 22 | 22-42 | C | 32.1 | 3 | 134 |
| **Total Population** | | | | | | | | | | | | | | | | | | | | | | |
| Whole Population | 29 | 194-291 | P | 242.4 | 43 | 31-51 | C | 41.2 | 8 | 73-109 | P | 91.2 | 16 | 119-178 | P | 148.4 | 25 | 14-34 | C | 24.2 | 5 | 417 |