



AMERICAN ASSOCIATION OF BIOANALYSTS
 205 West Levee St. Brownsville, TX 78520
 (281) 436-5357 - (800) 234-5315 - Fax (713) 781-5008

PARTICIPANT STATISTICS

Tumor Markers

Chemistry Q1 2010

| Name | Line No. | Specimen 1 | | | Specimen 2 | | | No. Labs | | |
|-----------------------------|----------|--------------|------|-------|--------------|-----------|----|----------|------|----|
| | | Range & Type | Mean | SD | Range & Type | Mean | SD | | | |
| Beta-2-Microglobulin | | | | | | | | | | |
| Total Population | | | | | | | | | | |
| Whole Population | 1 | 0.15-0.28 | P | 0.213 | 0.11 | 2.17-4.03 | P | 3.102 | 0.44 | 11 |



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|---|----------|--------------|---|-------|-----|--------------|---|--------|------|----------|
| | | Range & Type | | | | Range & Type | | | | |
| CA 15-3 | | | | | | | | | | |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | |
| Luminometric | 1 | 5.1-41.3 | S | 23.20 | 6.0 | 0.0-257.0 | S | 126.28 | 43.6 | 29 |
| Total Population | | | | | | | | | | |
| Whole Population | 2 | 6.2-40.1 | S | 23.19 | 5.7 | 2.3-248.5 | S | 125.36 | 41.0 | 33 |



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| | | Range & Type | Mean | SD | Range & Type | Mean | SD | |
| CA 19-9 | | | | | | | | |
| Initial Grouping by Sensitivity or Principle | | | | | | | | |
| Luminometric | 1 | 0.0-34.4 S | 14.55 | 6.6 | 0.0-258.2 S | 103.23 | 51.7 | 20 |
| Total Population | | | | | | | | |
| Whole Population | 2 | 0.0-30.9 S | 13.24 | 5.9 | 0.0-233.1 S | 90.20 | 47.6 | 28 |



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| | | Range & Type | | | | Range & Type | | | | |
| CA 27.29 | | | | | | | | | | |
| Initial Grouping by Reagent | | | | | | | | | | |
| Tosoh AIA Pack fluorometric | 1 | 15.2-28.5 | S | 21.84 | 2.2 | 94.4-146.3 | S | 120.34 | 8.7 | 14 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | |
| Immunofluorometric-not FPIA | 2 | 15.2-28.5 | S | 21.84 | 2.2 | 94.4-146.3 | S | 120.34 | 8.7 | 14 |
| Total Population | | | | | | | | | | |
| Whole Population | 3 | 10.8-30.8 | S | 20.79 | 3.3 | 84.2-163.8 | S | 124.00 | 13.3 | 23 |



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|---|----------|--------------|---|------|----|--------------|---|-------|----|----------|
| | | Range & Type | | | | Range & Type | | | | |
| CA-125 | | | | | | | | | | |
| Initial Grouping by Reagent and Instrument | | | | | | | | | | |
| Siemens Immulite & Siemens Immulite 2000 | 1 | 0-17 | C | 8.3 | 1 | 88-163 | P | 125.8 | 10 | 12 |
| Initial Grouping by Reagent | | | | | | | | | | |
| Roche Elecsys luminometric | 2 | 0-18 | C | 9.0 | 1 | 86-160 | P | 122.9 | 7 | 13 |
| Siemens Immulite | 3 | 0-17 | C | 8.3 | 1 | 90-168 | P | 129.3 | 14 | 15 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | |
| Immunofluorometric-not FPIA | 4 | 4-22 | C | 12.7 | 2 | 120-222 | P | 170.8 | 35 | 16 |
| Luminometric | 5 | 2-20 | C | 10.7 | 10 | 88-164 | P | 126.2 | 13 | 51 |
| Total Population | | | | | | | | | | |
| Whole Population | 6 | 1-19 | C | 10.4 | 2 | 90-167 | P | 128.7 | 15 | 71 |



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|--|----------|--------------|------|------|--------------|-----------|----|-------|-----|----------|
| | | Range & Type | Mean | SD | Range & Type | Mean | SD | | | |
| Carcinoembryonic Antigen (CEA) | | | | | | | | | | |
| Initial Grouping by Reagent and Instrument | | | | | | | | | | |
| Abbott MEIA fluorometric & Abbott AxSYM | 1 | 0.0-2.1 | C | 0.94 | 0.1 | 20.9-38.8 | P | 29.82 | 1.6 | 14 |
| Beckman Access luminometric & Beckman Access luminometer | 2 | 0.0-2.1 | C | 0.88 | 0.1 | 22.2-41.2 | P | 31.67 | 1.9 | 13 |
| Siemens luminometric & Siemens Centaur/Centaur CP | 3 | 0.0-2.0 | C | 0.78 | 0.3 | 22.5-41.8 | P | 32.19 | 2.6 | 10 |
| Siemens Immulite & Siemens Immulite 2000 | 4 | 0.0-2.0 | C | 0.82 | 0.2 | 30.5-56.6 | P | 43.54 | 2.8 | 21 |
| Initial Grouping by Reagent | | | | | | | | | | |
| Abbott MEIA fluorometric | 5 | 0.0-2.1 | C | 0.93 | 0.1 | 20.8-38.7 | P | 29.77 | 1.9 | 20 |
| Beckman Access luminometric | 6 | 0.0-2.1 | C | 0.87 | 0.1 | 22.4-41.5 | P | 31.93 | 1.9 | 19 |
| Roche Elecsys luminometric | 7 | 0.0-2.1 | C | 0.94 | 0.2 | 20.3-37.7 | P | 29.01 | 1.3 | 15 |
| Siemens luminometric | 8 | 0.0-2.0 | C | 0.84 | 0.3 | 22.4-41.6 | P | 31.99 | 2.6 | 12 |
| Siemens Immulite | 9 | 0.0-2.1 | C | 0.88 | 0.2 | 30.4-56.5 | P | 43.46 | 2.5 | 30 |
| Tosoh AIA Pack fluorometric | 10 | 0.3-2.7 | C | 1.52 | 0.1 | 27.8-51.6 | P | 39.68 | 1.7 | 14 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | |
| Lower recovery methods | 11 | 0.0-2.1 | C | 0.89 | 0.2 | 21.7-40.3 | P | 30.96 | 2.7 | 63 |
| Higher recovery methods | 12 | 0.0-2.2 | C | 1.02 | 0.3 | 28.2-52.4 | P | 40.31 | 5.0 | 56 |
| Total Population | | | | | | | | | | |
| Whole Population | 13 | 0.0-2.1 | C | 0.92 | 0.1 | 24.4-45.2 | P | 34.79 | 6.0 | 125 |



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| | | Range & Type | | | | Range & Type | | | | |
| Prostate-Specific Antigen, Free | | | | | | | | | | |
| Initial Grouping by Reagent and Instrument | | | | | | | | | | |
| Beckman Access luminometric & Beckman Access luminometer | 1 | 0.0-1.0 | C | 0.10 | 0.0 | 10.9-20.2 | P | 15.53 | 1.1 | 11 |
| Initial Grouping by Reagent | | | | | | | | | | |
| Beckman Access luminometric | 2 | 0.0-1.0 | C | 0.10 | 0.0 | 11.0-20.4 | P | 15.69 | 1.4 | 14 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | |
| Moderate recovery methods | 3 | 0.0-1.3 | C | 0.42 | 1.7 | 8.6-16.1 | P | 12.36 | 3.6 | 38 |
| Total Population | | | | | | | | | | |
| Whole Population | 4 | 0.0-1.2 | C | 0.35 | 0.1 | 8.4-15.6 | P | 12.00 | 2.3 | 49 |