

Target values MQ 2017 - 4

| | | Target value | Tolerance | | Nombre | Conform |
|-----------------------|----------------------|--------------|---------------|-----|--------|--------------|
| H01 Hematology | | | | | | |
| Hemoglobin | | | | | | |
| 201 | Automat | 110.1 g/l | 100.2 - 120.0 | 9 % | 34 | 34 (100.0 %) |
| 204 | Cyanmethemoglobin | 109.2 g/l | 99.3 - 119.0 | 9 % | 37 | 36 (97.3 %) |
| 274 | Sysmex X | 110.7 g/l | 100.8 - 120.7 | 9 % | 39 | 39 (100.0 %) |
| 267 | Advia 120 | 110.0 g/l | 100.1 - 119.9 | 9 % | 8 | 8 (100.0 %) |
| 277 | ABX Pentra | 109.7 g/l | 99.8 - 119.6 | 9 % | 10 | 9 (90.0 %) |
| 205 | Reflotron | 115.8 g/l | 105.4 - 126.3 | 9 % | 58 | 51 (87.9 %) |
| 228 | Hemocue | 108.1 g/l | 98.4 - 117.8 | 9 % | 374 | 362 (96.8 %) |
| 275 | Dr. Lange | 111.5 g/l | 101.4 - 121.5 | 9 % | 16 | 11 (68.8 %) |
| 276 | Hemocontrol | 110.1 g/l | 100.2 - 120.0 | 9 % | 14 | 14 (100.0 %) |
| 278 | Eurolyser | 111.5 g/l | 101.5 - 121.5 | 9 % | 6 | 6 (100.0 %) |
| 206 | DiaSpect | 116.8 g/l | 106.3 - 127.3 | 9 % | 11 | 11 (100.0 %) |
| 269 | MS4 | 111.5 g/l | 101.5 - 121.5 | 9 % | 4 | 4 (100.0 %) |
| Hemoglobin | | | | | | |
| 284 | Micros 60 | 107.7 g/l | 98.0 - 117.3 | 9 % | 284 | 272 (95.8 %) |
| 261 | Sysmex KX21 | 110.8 g/l | 100.8 - 120.8 | 9 % | 335 | 330 (98.5 %) |
| 268 | Sysmex Poch - 100i | 108.1 g/l | 98.4 - 117.9 | 9 % | 207 | 196 (94.7 %) |
| 280 | Sysmex XP 300 | 110.4 g/l | 100.4 - 120.3 | 9 % | 382 | 375 (98.2 %) |
| 270 | Mythic | 106.2 g/l | 96.7 - 115.8 | 9 % | 265 | 252 (95.1 %) |
| 264 | Swelab | 111.1 g/l | 101.1 - 121.1 | 9 % | 49 | 47 (95.9 %) |
| 271 | Abacus Junior | 113.2 g/l | 103.0 - 123.4 | 9 % | 11 | 10 (90.9 %) |
| 272 | Medonic | 110.8 g/l | 100.8 - 120.7 | 9 % | 14 | 13 (92.9 %) |
| 273 | Nihon Kohden Celltac | 109.9 g/l | 100.0 - 119.8 | 9 % | 71 | 68 (95.8 %) |
| 281 | Samsung HC10 | 109.6 g/l | 99.7 - 119.5 | 9 % | 44 | 40 (90.9 %) |
| 282 | Norma Icon 3 | 108.0 g/l | 98.3 - 117.7 | 9 % | 7 | 7 (100.0 %) |
| Hematocrit | | | | | | |
| 101 | Automat | 0.31 l/l | 0.28 - 0.34 | 9 % | 28 | 24 (85.7 %) |
| 102 | Centrifuge | 0.33 l/l | 0.30 - 0.35 | 9 % | 12 | 10 (83.3 %) |
| 174 | Sysmex X | 0.32 l/l | 0.29 - 0.35 | 9 % | 39 | 39 (100.0 %) |
| 167 | Advia 120 | 0.29 l/l | 0.27 - 0.32 | 9 % | 8 | 8 (100.0 %) |
| 177 | ABX Pentra | 0.29 l/l | 0.26 - 0.31 | 9 % | 10 | 10 (100.0 %) |
| 169 | MS4 | 0.31 l/l | 0.28 - 0.34 | 9 % | 4 | 3 (75.0 %) |
| Hematocrit | | | | | | |
| 184 | Micros 60 | 0.29 l/l | 0.26 - 0.32 | 9 % | 284 | 257 (90.5 %) |
| 161 | Sysmex KX21 | 0.29 l/l | 0.27 - 0.32 | 9 % | 335 | 329 (98.2 %) |
| 168 | Sysmex Poch - 100i | 0.32 l/l | 0.29 - 0.35 | 9 % | 207 | 197 (95.2 %) |
| 180 | Sysmex XP 300 | 0.30 l/l | 0.27 - 0.32 | 9 % | 382 | 373 (97.6 %) |
| 170 | Mythic | 0.30 l/l | 0.28 - 0.33 | 9 % | 266 | 251 (94.4 %) |
| 164 | Swelab | 0.30 l/l | 0.28 - 0.33 | 9 % | 49 | 48 (98.0 %) |
| 171 | Abacus Junior | 0.33 l/l | 0.30 - 0.36 | 9 % | 11 | 9 (81.8 %) |
| 172 | Medonic | 0.30 l/l | 0.27 - 0.33 | 9 % | 14 | 13 (92.9 %) |
| 173 | Nihon Kohden Celltac | 0.32 l/l | 0.29 - 0.35 | 9 % | 71 | 68 (95.8 %) |
| 181 | Samsung HC10 | 0.33 l/l | 0.30 - 0.35 | 9 % | 45 | 41 (91.1 %) |
| 182 | Norma Icon 3 | 0.30 l/l | 0.27 - 0.33 | 9 % | 7 | 6 (85.7 %) |

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| Erythrocytes | | | | | | |
| 301 | Automat | 3.58 | T/l | 2.69 - 4.48 | 25 % 27 | 27 (100.0 %) |
| 303 | Microscopic | 3.53 | T/l | 2.65 - 4.41 | 25 % 7 | 7 (100.0 %) |
| 374 | Sysmex X | 3.60 | T/l | 2.70 - 4.50 | 25 % 39 | 39 (100.0 %) |
| 367 | Advia 120 | 3.51 | T/l | 2.63 - 4.38 | 25 % 8 | 8 (100.0 %) |
| 377 | ABX Pentra | 3.56 | T/l | 2.67 - 4.45 | 25 % 10 | 10 (100.0 %) |
| 369 | MS4 | 3.71 | T/l | 2.78 - 4.64 | 25 % 4 | 3 (75.0 %) |
| Erythrocytes | | | | | | |
| 384 | Micros 60 | 3.49 | T/l | 2.62 - 4.36 | 25 % 284 | 278 (97.9 %) |
| 361 | Sysmex KX21 | 3.55 | T/l | 2.66 - 4.44 | 25 % 335 | 332 (99.1 %) |
| 368 | Sysmex Poch - 100i | 3.71 | T/l | 2.78 - 4.64 | 25 % 207 | 203 (98.1 %) |
| 380 | Sysmex XP 300 | 3.57 | T/l | 2.68 - 4.46 | 25 % 382 | 378 (99.0 %) |
| 370 | Mythic | 3.46 | T/l | 2.59 - 4.32 | 25 % 266 | 262 (98.5 %) |
| 364 | Swelab | 3.60 | T/l | 2.70 - 4.50 | 25 % 49 | 49 (100.0 %) |
| 371 | Abacus Junior | 3.78 | T/l | 2.83 - 4.72 | 25 % 11 | 9 (81.8 %) |
| 372 | Medonic | 3.59 | T/l | 2.69 - 4.49 | 25 % 14 | 13 (92.9 %) |
| 473 | Nihon Kohden Celltac | 3.60 | T/l | 2.70 - 4.50 | 25 % 71 | 69 (97.2 %) |
| 381 | Samsung HC10 | 3.56 | T/l | 2.67 - 4.45 | 25 % 45 | 45 (100.0 %) |
| 382 | Norma Icon 3 | 3.37 | T/l | 2.53 - 4.21 | 25 % 7 | 7 (100.0 %) |
| Leucocytes | | | | | | |
| 401 | Automat | 5.91 | G/l | 4.44 - 7.39 | 25 % 25 | 25 (100.0 %) |
| 403 | Microscopic | 5.64 | G/l | 4.23 - 7.05 | 25 % 40 | 38 (95.0 %) |
| 474 | Sysmex X | 6.40 | G/l | 4.80 - 8.00 | 25 % 39 | 39 (100.0 %) |
| 467 | Advia 120 (Perox) | 5.90 | G/l | 4.43 - 7.38 | 25 % 7 | 7 (100.0 %) |
| 477 | ABX Pentra | 6.24 | G/l | 4.68 - 7.80 | 25 % 10 | 10 (100.0 %) |
| 469 | MS4 | 6.44 | G/l | 4.83 - 8.04 | 25 % 4 | 4 (100.0 %) |
| Leucocytes | | | | | | |
| 484 | Micros 60 | 5.74 | G/l | 4.30 - 7.17 | 25 % 284 | 280 (98.6 %) |
| 461 | Sysmex KX21 | 6.10 | G/l | 4.58 - 7.63 | 25 % 335 | 334 (99.7 %) |
| 468 | Sysmex Poch - 100i | 6.11 | G/l | 4.58 - 7.64 | 25 % 207 | 203 (98.1 %) |
| 480 | Sysmex XP 300 | 6.24 | G/l | 4.68 - 7.80 | 25 % 382 | 380 (99.5 %) |
| 470 | Mythic | 5.74 | G/l | 4.31 - 7.18 | 25 % 265 | 262 (98.9 %) |
| 464 | Swelab | 6.23 | G/l | 4.67 - 7.78 | 25 % 49 | 49 (100.0 %) |
| 471 | Abacus Junior | 7.43 | G/l | 5.57 - 9.29 | 25 % 11 | 9 (81.8 %) |
| 472 | Medonic | 6.10 | G/l | 4.58 - 7.63 | 25 % 14 | 13 (92.9 %) |
| 373 | Nihon Kohden Celltac | 6.33 | G/l | 4.75 - 7.91 | 25 % 71 | 69 (97.2 %) |
| 481 | Samsung HC10 | 6.16 | G/l | 4.62 - 7.70 | 25 % 45 | 43 (95.6 %) |
| 482 | Norma Icon 3 | 5.80 | G/l | 4.35 - 7.25 | 25 % 7 | 7 (100.0 %) |
| Thrombocytes | | | | | | |
| 501 | Automat | 220.7 | G/l | 165.5 - 275.8 | 25 % 23 | 23 (100.0 %) |
| 503 | Microscopic | 211.3 | G/l | 158.5 - 264.1 | 25 % 24 | 21 (87.5 %) |
| 574 | Sysmex X | 218.1 | G/l | 163.6 - 272.6 | 25 % 39 | 39 (100.0 %) |
| 567 | Advia 120 | 213.0 | G/l | 159.8 - 266.3 | 25 % 8 | 8 (100.0 %) |
| 577 | ABX Pentra | 224.8 | G/l | 168.6 - 281.0 | 25 % 10 | 9 (90.0 %) |
| 569 | MS4 | 210.0 | G/l | 157.5 - 262.5 | 25 % 4 | 3 (75.0 %) |

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| Thrombocytes | | | | | | |
| 584 | Micros 60 | 214.6 G/l | 160.9 - 268.2 | 25 % | 285 | 276 (96.8 %) |
| 561 | Sysmex KX21 | 218.8 G/l | 164.1 - 273.4 | 25 % | 335 | 333 (99.4 %) |
| 568 | Sysmex PochH - 100i | 226.0 G/l | 169.5 - 282.5 | 25 % | 207 | 204 (98.6 %) |
| 580 | Sysmex XP 300 | 227.6 G/l | 170.7 - 284.5 | 25 % | 382 | 379 (99.2 %) |
| 570 | Mythic | 201.0 G/l | 150.7 - 251.2 | 25 % | 266 | 259 (97.4 %) |
| 564 | Swelab | 200.9 G/l | 150.7 - 251.1 | 25 % | 49 | 49 (100.0 %) |
| 571 | Abacus Junior | 237.4 G/l | 178.0 - 296.7 | 25 % | 11 | 11 (100.0 %) |
| 572 | Medonic | 198.4 G/l | 148.8 - 248.0 | 25 % | 14 | 13 (92.9 %) |
| 573 | Nihon Kohden Celltac | 237.3 G/l | 178.0 - 296.6 | 25 % | 71 | 70 (98.6 %) |
| 581 | Samsung HC10 | 241.9 G/l | 181.4 - 302.3 | 25 % | 45 | 44 (97.8 %) |
| 582 | Norma Icon 3 | 206.0 G/l | 154.5 - 257.5 | 25 % | 7 | 6 (85.7 %) |
| H02 Hematology Plus | | | | | | |
| Hemoglobin H2 | | | | | | |
| 263 | Abx Micros | 105.4 g/l | 95.9 - 114.9 | 9 % | 261 | 252 (96.6 %) |
| 279 | Microsemi | 108.3 g/l | 98.5 - 118.0 | 9 % | 541 | 535 (98.9 %) |
| Hematocrit H2 | | | | | | |
| 163 | Abx Micros | 0.30 l/l | 0.27 - 0.32 | 9 % | 264 | 250 (94.7 %) |
| 179 | Microsemi | 0.29 l/l | 0.27 - 0.32 | 9 % | 539 | 531 (98.5 %) |
| Leucocytes H2 | | | | | | |
| 463 | Abx Micros | 5.95 G/l | 4.47 - 7.44 | 25 % | 264 | 260 (98.5 %) |
| 479 | Microsemi | 6.21 G/l | 4.66 - 7.76 | 25 % | 539 | 536 (99.4 %) |
| Thrombocytes H2 | | | | | | |
| 563 | Abx Micros | 220.4 G/l | 165.3 - 275.5 | 25 % | 264 | 252 (95.5 %) |
| 579 | Microsemi | 233.9 G/l | 175.4 - 292.4 | 25 % | 539 | 535 (99.3 %) |
| Erythrocytes H2 | | | | | | |
| 363 | Abx Micros | 3.52 T/l | 2.64 - 4.40 | 25 % | 264 | 261 (98.9 %) |
| 379 | Microsemi | 3.47 T/l | 2.60 - 4.33 | 25 % | 539 | 531 (98.5 %) |
| CRP H2 | | | | | | |
| 1679 | Microsemi | 43.9 mg/l | 34.7 - 53.1 | 21 % | 533 | 521 (97.7 %) |
| 1663 | Abx Micros | 43.1 mg/l | 34.0 - 52.1 | 21 % | 29 | 29 (100.0 %) |
| 1664 | ABX Micros CRP200 | 39.8 mg/l | 31.4 - 48.2 | 21 % | 233 | 224 (96.1 %) |

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| I01 CRP | | | | | |
| CRP | | | | | |
| 1673 Celltac chemi | 24.4 mg/l | 19.2 - 29.5 | 21 % | 13 | 13 (100.0 %) |
| 1617 Cobas | 20.3 mg/l | 16.0 - 24.5 | 21 % | 16 | 15 (93.8 %) |
| 1643 Turbidimetry | 22.0 mg/l | 17.4 - 26.6 | 21 % | 35 | 35 (100.0 %) |
| 1601 Afinion | 21.7 mg/l | 17.2 - 26.3 | 21 % | 1335 | 1319 (98.8 %) |
| 1630 NycoCard SingleTest- | 24.0 mg/l | 19.0 - 29.0 | 21 % | 263 | 201 (76.4 %) |
| 1616 Quick Read go | 22.7 mg/l | 17.9 - 27.5 | 21 % | 181 | 176 (97.2 %) |
| 1610 Eurolyser | 32.5 mg/l | 25.7 - 39.3 | 21 % | 124 | 95 (76.6 %) |
| 1632 Fuji Dri-Chem | 22.4 mg/l | 17.7 - 27.1 | 21 % | 22 | 19 (86.4 %) |
| 1604 Autolyser/DiaSys | 21.7 mg/l | 17.1 - 26.2 | 21 % | 12 | 11 (91.7 %) |
| 1613 Piccolo | 28.4 mg/l | 22.4 - 34.3 | 21 % | 8 | 8 (100.0 %) |
| 1614 AFIAS | 27.4 mg/l | 21.7 - 33.2 | 21 % | 21 | 16 (76.2 %) |
| CRP | | | | | |
| 1625 QuikRead (Vollblut) | 35.8 mg/l | 28.3 - 43.3 | 21 % | 110 | 105 (95.5 %) |
| CRP | | | | | |
| 1615 AQT 90 FLEX | 25.5 mg/l | 20.1 - 30.9 | 21 % | 8 | 8 (100.0 %) |
| 1635 Spotchem D-Concept | 27.1 mg/l | 21.4 - 32.8 | 21 % | 5 | 4 (80.0 %) |
| 1645 Spotchem SI-3510 | 21.9 mg/l | 17.3 - 26.4 | 21 % | 4 | 4 (100.0 %) |
| I02 Plasmaproteins | | | | | |
| IgG | | | | | |
| 2343 Turbidimetry | 14.2 g/l | 10.6 - 17.7 | 25 % | 12 | 12 (100.0 %) |
| 2344 Nephelometry | 15.2 g/l | 11.4 - 19.0 | 25 % | 7 | 7 (100.0 %) |
| IgA | | | | | |
| 2443 Turbidimetry | 2.7 g/l | 2.0 - 3.4 | 25 % | 12 | 12 (100.0 %) |
| 2444 Nephelometry | 3.0 g/l | 2.2 - 3.7 | 25 % | 7 | 7 (100.0 %) |
| IgM | | | | | |
| 2543 Turbidimetry | 1.3 g/l | 1.0 - 1.6 | 25 % | 7 | 7 (100.0 %) |
| 2544 Nephelometry | 1.5 g/l | 1.1 - 1.9 | 25 % | 7 | 7 (100.0 %) |
| 2545 Cobas Integra 800/40 | 1.3 g/l | 1.0 - 1.7 | 25 % | 5 | 5 (100.0 %) |
| IgE | | | | | |
| 7007 all Participants | 177 kU/L | 142 - 212 | 20 % | 9 | 9 (100.0 %) |
| Anti-Streptolysin-Antibodies | | | | | |
| 7003 all Participants | 211 kIU/l | 158 - 264 | 25 % | 12 | 12 (100.0 %) |
| Complement C3 | | | | | |
| 7004 all Participants | 2.23 g/l | 1.67 - 2.79 | 25 % | 11 | 11 (100.0 %) |
| Complement C4 | | | | | |
| 7005 all Participants | 0.41 g/l | 0.31 - 0.52 | 25 % | 10 | 10 (100.0 %) |
| Haptoglobin | | | | | |
| 7006 all Participants | 1.91 g/l | 1.43 - 2.39 | 25 % | 13 | 13 (100.0 %) |
| Transferrin | | | | | |
| 7008 all Participants | 3.01 g/l | 2.26 - 3.77 | 25 % | 21 | 21 (100.0 %) |
| Beta-2-Mikroglobulin | | | | | |
| 7011 all Participants | 2.69 mg/l | 2.01 - 3.36 | 25 % | 4 | 4 (100.0 %) |

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|-------------------------------|--------------|---------------|------|--------|---------------|
| Rheumatoid factor | | | | | |
| 7025 all Participants | 36.0 U/ml | 27.0 - 45.0 | 25 % | 5 | 5 (100.0 %) |
| Präalbumin | | | | | |
| 7013 all Participants | 280.0 mg/l | 210.0 - 350.0 | 25 % | 9 | 9 (100.0 %) |
| K01 Clinical Chemistry | | | | | |
| Albumine | | | | | |
| 609 Standard chemistry | 36 g/l | 32 - 40 | 12 % | 26 | 26 (100.0 %) |
| 623 Cobas | 41 g/l | 36 - 46 | 12 % | 15 | 15 (100.0 %) |
| 632 Fuji Dri-Chem | 50 g/l | 44 - 56 | 12 % | 205 | 199 (97.1 %) |
| 608 Spotchem/Ready | 38 g/l | 34 - 43 | 12 % | 32 | 31 (96.9 %) |
| 635 Spotchem D-Concept | 47 g/l | 41 - 52 | 12 % | 112 | 106 (94.6 %) |
| 603 Piccolo | 36 g/l | 32 - 41 | 12 % | 40 | 39 (97.5 %) |
| 614 Skyla | 35 g/l | 31 - 39 | 12 % | 5 | 5 (100.0 %) |
| 624 Abx Mira | 38 g/l | 33 - 42 | 12 % | 4 | 4 (100.0 %) |
| 627 Hitachi S40/M40 | 36 g/l | 32 - 40 | 12 % | 8 | 8 (100.0 %) |
| 604 Autolyser/DiaSys | 38 g/l | 33 - 42 | 12 % | 7 | 7 (100.0 %) |
| Alkaline phosphatase | | | | | |
| 712 IFCC | 205 U/l | 168 - 242 | 18 % | 4 | 4 (100.0 %) |
| 723 Cobas | 170 U/l | 139 - 200 | 18 % | 17 | 17 (100.0 %) |
| 705 Reflotron | 365 U/l | 299 - 430 | 18 % | 603 | 575 (95.4 %) |
| 732 Fuji Dri-Chem | 207 U/l | 170 - 245 | 18 % | 728 | 725 (99.6 %) |
| 708 Spotchem/Ready | 259 U/l | 213 - 306 | 18 % | 84 | 80 (95.2 %) |
| 735 Spotchem D-Concept | 213 U/l | 175 - 252 | 18 % | 194 | 188 (96.9 %) |
| 707 Hitachi S40/M40 | 152 U/l | 124 - 179 | 18 % | 17 | 17 (100.0 %) |
| 714 Beckman | 241 U/l | 197 - 284 | 18 % | 19 | 18 (94.7 %) |
| 719 Piccolo | 250 U/l | 205 - 295 | 18 % | 35 | 35 (100.0 %) |
| 724 Abx Mira | 219 U/l | 180 - 258 | 18 % | 7 | 5 (71.4 %) |
| 736 Skyla | 274 U/l | 224 - 323 | 18 % | 4 | 4 (100.0 %) |
| 704 Autolyser/DiaSys | 214 U/l | 175 - 252 | 18 % | 17 | 17 (100.0 %) |
| Amylase | | | | | |
| 821 IFCC | 248 U/l | 204 - 293 | 18 % | 15 | 15 (100.0 %) |
| 823 Cobas | 244 U/l | 200 - 288 | 18 % | 6 | 6 (100.0 %) |
| 805 Reflotron | 249 U/l | 204 - 294 | 18 % | 161 | 157 (97.5 %) |
| 832 Fuji Dri-Chem | 220 U/l | 181 - 260 | 18 % | 524 | 523 (99.8 %) |
| 808 Spotchem/Ready | 154 U/l | 126 - 181 | 18 % | 58 | 52 (89.7 %) |
| 835 Spotchem D-Concept | 213 U/l | 175 - 251 | 18 % | 146 | 146 (100.0 %) |
| 819 Piccolo | 223 U/l | 183 - 264 | 18 % | 34 | 34 (100.0 %) |
| 824 Abx Mira | 243 U/l | 199 - 287 | 18 % | 5 | 5 (100.0 %) |
| 827 Hitachi S40/M40 | 277 U/l | 227 - 327 | 18 % | 9 | 9 (100.0 %) |
| 804 Autolyser/DiaSys | 220 U/l | 180 - 260 | 18 % | 5 | 5 (100.0 %) |
| Pancreatic amylase | | | | | |
| 921 IFCC | 210 U/l | 172 - 247 | 18 % | 20 | 20 (100.0 %) |
| 923 Cobas | 213 U/l | 175 - 252 | 18 % | 10 | 10 (100.0 %) |
| 905 Reflotron | 247 U/l | 203 - 292 | 18 % | 401 | 393 (98.0 %) |
| 904 Autolyser/DiaSys | 216 U/l | 177 - 255 | 18 % | 9 | 9 (100.0 %) |

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| Bilirubin | | | | | |
| 1009 Standard chemistry | 46.9 µmol/l | 38.5 - 55.3 | 18 % | 12 | 12 (100.0 %) |
| 1023 Cobas | 44.8 µmol/l | 36.7 - 52.9 | 18 % | 16 | 16 (100.0 %) |
| 1005 Reflotron | 48.5 µmol/l | 39.8 - 57.3 | 18 % | 441 | 421 (95.5 %) |
| 1032 Fuji Dri-Chem | 49.0 µmol/l | 40.2 - 57.8 | 18 % | 567 | 557 (98.2 %) |
| 1008 Spotchem/Ready | 50.7 µmol/l | 41.6 - 59.8 | 18 % | 74 | 72 (97.3 %) |
| 1035 Spotchem D-Concept | 41.8 µmol/l | 34.3 - 49.3 | 18 % | 160 | 156 (97.5 %) |
| 1010 Beckman | 57.3 µmol/l | 47.0 - 67.6 | 18 % | 17 | 17 (100.0 %) |
| 1013 Piccolo | 43.2 µmol/l | 35.4 - 51.0 | 18 % | 39 | 38 (97.4 %) |
| 1014 Skyla | 51.3 µmol/l | 42.1 - 60.5 | 18 % | 4 | 4 (100.0 %) |
| 1024 Abx Mira | 47.0 µmol/l | 38.5 - 55.4 | 18 % | 6 | 6 (100.0 %) |
| 1027 Hitachi S40/M40 | 48.2 µmol/l | 39.5 - 56.9 | 18 % | 13 | 12 (92.3 %) |
| 1004 Autolyser/DiaSys | 44.9 µmol/l | 36.8 - 53.0 | 18 % | 15 | 15 (100.0 %) |
| Bilirubin direct | | | | | |
| 1033 Fuji Dri-Chem | 28.0 µmol/l | 23.0 - 33.0 | 18 % | 29 | 24 (82.8 %) |
| Calcium | | | | | |
| 1109 Standard chemistry | 2.47 mmol/l | 2.18 - 2.77 | 12 % | 31 | 31 (100.0 %) |
| 1123 Cobas | 2.51 mmol/l | 2.20 - 2.81 | 12 % | 14 | 14 (100.0 %) |
| 1132 Fuji Dri-Chem | 2.56 mmol/l | 2.26 - 2.87 | 12 % | 352 | 343 (97.4 %) |
| 1108 Spotchem/Ready | 2.25 mmol/l | 1.98 - 2.52 | 12 % | 26 | 22 (84.6 %) |
| 1135 Spotchem D-Concept | 1.94 mmol/l | 1.70 - 2.18 | 12 % | 83 | 79 (95.2 %) |
| 1113 Piccolo | 2.45 mmol/l | 2.16 - 2.74 | 12 % | 38 | 38 (100.0 %) |
| 1124 Abx Mira | 2.52 mmol/l | 2.22 - 2.82 | 12 % | 5 | 5 (100.0 %) |
| 1127 Hitachi S40/M40 | 2.43 mmol/l | 2.14 - 2.72 | 12 % | 11 | 11 (100.0 %) |
| 1104 Autolyser/DiaSys | 2.56 mmol/l | 2.25 - 2.87 | 12 % | 9 | 9 (100.0 %) |
| Calcium ISE | | | | | |
| 1130 ISE | 1.12 mmol/l | 0.99 - 1.25 | 12 % | 4 | 4 (100.0 %) |
| 4694 iStat Chem8 | 0.93 mmol/l | 0.82 - 1.04 | 12 % | 7 | 6 (85.7 %) |
| Chloride | | | | | |
| 1230 ISE | 94 mmol/l | 88 - 100 | 6 % | 27 | 27 (100.0 %) |
| 1223 Cobas | 89 mmol/l | 84 - 94 | 6 % | 9 | 9 (100.0 %) |
| 1232 Fuji Dri-Chem | 104 mmol/l | 98 - 110 | 6 % | 673 | 656 (97.5 %) |
| 1235 Spotchem D-Concept | 108 mmol/l | 101 - 114 | 6 % | 178 | 163 (91.6 %) |
| 1208 Spotchem EL-SE 1520 | 114 mmol/l | 107 - 121 | 6 % | 98 | 78 (79.6 %) |
| 1213 Piccolo | 93 mmol/l | 88 - 99 | 6 % | 18 | 16 (88.9 %) |
| 4693 iStat Chem8 | 100 mmol/l | 94 - 106 | 6 % | 7 | 7 (100.0 %) |

Target values MQ 2017 - 4

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|---------------------------|--------------|-------------|------|--------|--------------|
| Cholesterol total | | | | | |
| 1309 Standard chemistry | 3.94 mmol/l | 3.54 - 4.33 | 10 % | 28 | 28 (100.0 %) |
| 1323 Cobas | 3.84 mmol/l | 3.45 - 4.22 | 10 % | 16 | 16 (100.0 %) |
| 1305 Reflotron | 3.50 mmol/l | 3.15 - 3.85 | 10 % | 624 | 611 (97.9 %) |
| 1332 Fuji Dri-Chem | 3.75 mmol/l | 3.37 - 4.12 | 10 % | 738 | 719 (97.4 %) |
| 1308 Spotchem/Ready | 3.86 mmol/l | 3.48 - 4.25 | 10 % | 110 | 107 (97.3 %) |
| 1335 Spotchem D-Concept | 3.85 mmol/l | 3.47 - 4.24 | 10 % | 197 | 192 (97.5 %) |
| 1313 Piccolo | 3.89 mmol/l | 3.51 - 4.28 | 10 % | 21 | 21 (100.0 %) |
| 1314 Skyla | 3.85 mmol/l | 3.47 - 4.24 | 10 % | 4 | 4 (100.0 %) |
| 1320 Cholestech LDX | 3.82 mmol/l | 3.44 - 4.20 | 10 % | 163 | 157 (96.3 %) |
| 1324 Abx Mira | 4.00 mmol/l | 3.60 - 4.40 | 10 % | 7 | 6 (85.7 %) |
| 1327 Hitachi S40/M40 | 3.95 mmol/l | 3.56 - 4.35 | 10 % | 15 | 15 (100.0 %) |
| 1304 Autolyser/DiaSys | 3.99 mmol/l | 3.59 - 4.39 | 10 % | 16 | 16 (100.0 %) |
| Cholesterin HDL | | | | | |
| 1415 Pentra/Selectra | 1.15 mmol/l | 0.91 - 1.39 | 21 % | 7 | 5 (71.4 %) |
| 1410 Wet chemistry, direc | 1.26 mmol/l | 0.99 - 1.52 | 21 % | 19 | 19 (100.0 %) |
| 1423 Cobas | 1.44 mmol/l | 1.14 - 1.74 | 21 % | 15 | 14 (93.3 %) |
| 1405 Reflotron | 0.72 mmol/l | 0.56 - 0.87 | 21 % | 458 | 299 (65.3 %) |
| 1432 Fuji Dri-Chem | 1.56 mmol/l | 1.23 - 1.88 | 21 % | 708 | 704 (99.4 %) |
| 1408 Spotchem/Ready | 0.62 mmol/l | 0.49 - 0.75 | 21 % | 99 | 93 (93.9 %) |
| 1435 Spotchem D-Concept | 0.77 mmol/l | 0.61 - 0.93 | 21 % | 194 | 172 (88.7 %) |
| 1413 Piccolo | 1.04 mmol/l | 0.82 - 1.26 | 21 % | 20 | 18 (90.0 %) |
| 1420 Cholestech LDX | 1.18 mmol/l | 0.94 - 1.43 | 21 % | 162 | 145 (89.5 %) |
| 1427 Hitachi S40/M40 | 1.44 mmol/l | 1.14 - 1.74 | 21 % | 14 | 14 (100.0 %) |
| 1404 Autolyser/DiaSys | 1.37 mmol/l | 1.08 - 1.66 | 21 % | 16 | 16 (100.0 %) |
| Creatine kinase | | | | | |
| 1511 IFCC | 388 U/l | 318 - 457 | 18 % | 26 | 26 (100.0 %) |
| 1523 Cobas | 377 U/l | 309 - 445 | 18 % | 14 | 14 (100.0 %) |
| 1505 Reflotron | 314 U/l | 258 - 371 | 18 % | 381 | 363 (95.3 %) |
| 1532 Fuji Dri-Chem | 377 U/l | 309 - 445 | 18 % | 467 | 461 (98.7 %) |
| 1508 Spotchem/Ready | 393 U/l | 322 - 463 | 18 % | 46 | 44 (95.7 %) |
| 1535 Spotchem D-Concept | 385 U/l | 316 - 454 | 18 % | 129 | 128 (99.2 %) |
| 1513 Piccolo | 396 U/l | 325 - 468 | 18 % | 17 | 17 (100.0 %) |
| 1524 Abx Mira | 411 U/l | 337 - 485 | 18 % | 5 | 5 (100.0 %) |
| 1527 Hitachi S40/M40 | 347 U/l | 285 - 409 | 18 % | 9 | 9 (100.0 %) |
| 1504 Autolyser/DiaSys | 409 U/l | 336 - 483 | 18 % | 13 | 13 (100.0 %) |
| LDL Cholesterin | | | | | |
| 1431 Roche, Cobas | 2.6 mmol/l | 2.0 - 3.3 | 25 % | 5 | 5 (100.0 %) |
| 1437 Hitachi S40/M40 | 1.3 mmol/l | 1.0 - 1.6 | 25 % | 8 | 8 (100.0 %) |
| 1438 Autolyser/DiaSys | 2.1 mmol/l | 1.6 - 2.7 | 25 % | 15 | 15 (100.0 %) |
| 1439 Beckman | 2.4 mmol/l | 1.8 - 3.1 | 25 % | 11 | 11 (100.0 %) |
| Iron | | | | | |
| 1709 Standard chemistry | 29 µmol/l | 23 - 34 | 20 % | 15 | 15 (100.0 %) |
| 1723 Cobas | 29 µmol/l | 23 - 34 | 20 % | 9 | 9 (100.0 %) |
| 1724 Abx Mira | 28 µmol/l | 22 - 34 | 20 % | 5 | 5 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|----------------------------------|--------------|-------------|------|--------|---------------|
| Gamma-glutamyltransferase | | | | | |
| 1809 IFCC | 90 U/l | 74 - 106 | 18 % | 4 | 4 (100.0 %) |
| 1823 Cobas | 74 U/l | 60 - 87 | 18 % | 17 | 17 (100.0 %) |
| 1805 Reflotron | 97 U/l | 79 - 114 | 18 % | 779 | 769 (98.7 %) |
| 1832 Fuji Dri-Chem | 103 U/l | 84 - 121 | 18 % | 807 | 805 (99.8 %) |
| 1808 Spotchem/Ready | 100 U/l | 82 - 118 | 18 % | 115 | 110 (95.7 %) |
| 1835 Spotchem D-Concept | 88 U/l | 72 - 104 | 18 % | 219 | 215 (98.2 %) |
| 1810 Architect | 72 U/l | 59 - 84 | 18 % | 4 | 4 (100.0 %) |
| 1811 Dimension | 78 U/l | 64 - 92 | 18 % | 12 | 12 (100.0 %) |
| 1812 IFCC Beckmann | 77 U/l | 63 - 90 | 18 % | 8 | 8 (100.0 %) |
| 1813 Piccolo | 70 U/l | 57 - 82 | 18 % | 34 | 34 (100.0 %) |
| 1814 Skyla | 73 U/l | 60 - 86 | 18 % | 4 | 4 (100.0 %) |
| 1824 Abx Mira | 81 U/l | 66 - 95 | 18 % | 7 | 7 (100.0 %) |
| 1827 Hitachi S40/M40 | 86 U/l | 70 - 101 | 18 % | 17 | 17 (100.0 %) |
| 1804 Autolyser/DiaSys | 79 U/l | 65 - 93 | 18 % | 17 | 17 (100.0 %) |
| Glucose | | | | | |
| 1909 Standard chemistry | 11.2 mmol/l | 10.1 - 12.3 | 10 % | 38 | 37 (97.4 %) |
| 1923 Cobas | 11.3 mmol/l | 10.2 - 12.5 | 10 % | 15 | 15 (100.0 %) |
| 1905 Reflotron | 11.0 mmol/l | 9.9 - 12.1 | 10 % | 783 | 725 (92.6 %) |
| 1932 Fuji Dri-Chem | 10.6 mmol/l | 9.6 - 11.7 | 10 % | 762 | 757 (99.3 %) |
| 1908 Spotchem/Ready | 11.7 mmol/l | 10.5 - 12.8 | 10 % | 102 | 96 (94.1 %) |
| 1935 Spotchem D-Concept | 10.4 mmol/l | 9.4 - 11.5 | 10 % | 205 | 202 (98.5 %) |
| 1913 Piccolo | 11.0 mmol/l | 9.9 - 12.1 | 10 % | 46 | 46 (100.0 %) |
| 1920 Cholestech LDX | 10.6 mmol/l | 9.5 - 11.6 | 10 % | 133 | 129 (97.0 %) |
| 1924 Abx Mira | 11.3 mmol/l | 10.2 - 12.4 | 10 % | 7 | 6 (85.7 %) |
| 1927 Hitachi S40/M40 | 11.6 mmol/l | 10.4 - 12.7 | 10 % | 18 | 18 (100.0 %) |
| 1904 Autolyser/DiaSys | 10.9 mmol/l | 9.8 - 12.0 | 10 % | 17 | 17 (100.0 %) |
| 4695 iStat Chem8 | 10.2 mmol/l | 9.2 - 11.2 | 10 % | 7 | 7 (100.0 %) |
| Glucose | | | | | |
| 2065 Accu-Chek Aviva | 12.5 mmol/l | 11.2 - 13.7 | 10 % | 375 | 362 (96.5 %) |
| 2070 Accu-Chek Inform 2 | 12.3 mmol/l | 11.0 - 13.5 | 10 % | 354 | 353 (99.7 %) |
| 2020 Accu-Chek Mobile | 11.2 mmol/l | 10.1 - 12.3 | 10 % | 5 | 5 (100.0 %) |
| 2074 Contour XT | 11.3 mmol/l | 10.2 - 12.5 | 10 % | 1128 | 1079 (95.7 %) |
| 1914 Skyla | 11.8 mmol/l | 10.6 - 12.9 | 10 % | 4 | 4 (100.0 %) |
| 2021 Glucocard | 17.2 mmol/l | 15.5 - 18.9 | 10 % | 18 | 14 (77.8 %) |
| 2030 Hemocue 201+ P-equiv | 12.9 mmol/l | 11.6 - 14.2 | 10 % | 98 | 95 (96.9 %) |
| 2032 Hemocue 201RT P-equiv | 12.8 mmol/l | 11.5 - 14.1 | 10 % | 67 | 66 (98.5 %) |
| 2063 FreeStyle Precision | 12.5 mmol/l | 11.3 - 13.8 | 10 % | 10 | 9 (90.0 %) |
| 2069 Freestyle Freedom li | 12.1 mmol/l | 10.9 - 13.3 | 10 % | 7 | 6 (85.7 %) |
| 2075 Sanofi BG Star | 15.2 mmol/l | 13.7 - 16.7 | 10 % | 5 | 5 (100.0 %) |
| 2084 Contour NEXT ONE | 10.9 mmol/l | 9.8 - 12.0 | 10 % | 5 | 5 (100.0 %) |
| 2085 Accu-Check Guide | 10.8 mmol/l | 9.7 - 11.9 | 10 % | 75 | 70 (93.3 %) |

Target values MQ 2017 - 4

| | | Target value | Tolerance | | Nombre | Conform |
|------------------|---------------------|--------------|-------------|------|--------|---------------|
| Glucose B | | | | | | |
| 2028 | Hemocue 201+ (alt) | 12.5 mmol/l | 11.3 - 13.8 | 10 % | 48 | 47 (97.9 %) |
| 2056 | OneTouch Ultra | 16.0 mmol/l | 14.4 - 17.6 | 10 % | 5 | 3 (60.0 %) |
| 2057 | OneTouch Verio | 11.2 mmol/l | 10.1 - 12.3 | 10 % | 28 | 28 (100.0 %) |
| 2066 | Contour 2 (5s) | 9.1 mmol/l | 8.2 - 10.0 | 10 % | 40 | 36 (90.0 %) |
| 2060 | Contour (15s) | 14.9 mmol/l | 13.4 - 16.3 | 10 % | 6 | 4 (66.7 %) |
| 2072 | Healthpro | 19.2 mmol/l | 17.3 - 21.2 | 10 % | 28 | 24 (85.7 %) |
| 2078 | Mylife UNIO | 14.1 mmol/l | 12.7 - 15.5 | 10 % | 246 | 243 (98.8 %) |
| 2031 | mylife Pura | 12.6 mmol/l | 11.3 - 13.9 | 10 % | 69 | 65 (94.2 %) |
| 2025 | Omnitest | 16.0 mmol/l | 14.4 - 17.6 | 10 % | 17 | 13 (76.5 %) |
| 2076 | Alpha Check | 14.5 mmol/l | 13.1 - 16.0 | 10 % | 4 | 3 (75.0 %) |
| Uric Acid | | | | | | |
| 2109 | Standard chemistry | 453 µmol/l | 398 - 507 | 12 % | 31 | 31 (100.0 %) |
| 2123 | Cobas | 440 µmol/l | 387 - 493 | 12 % | 13 | 13 (100.0 %) |
| 2105 | Reflotron | 472 µmol/l | 415 - 529 | 12 % | 689 | 670 (97.2 %) |
| 2132 | Fuji Dri-Chem | 482 µmol/l | 424 - 540 | 12 % | 764 | 754 (98.7 %) |
| 2108 | Spotchem/Ready | 408 µmol/l | 359 - 457 | 12 % | 95 | 93 (97.9 %) |
| 2135 | Spotchem D-Concept | 415 µmol/l | 366 - 465 | 12 % | 205 | 203 (99.0 %) |
| 2113 | Piccolo | 372 µmol/l | 327 - 416 | 12 % | 25 | 24 (96.0 %) |
| 2114 | Skyla | 470 µmol/l | 414 - 526 | 12 % | 5 | 5 (100.0 %) |
| 2124 | Abx Mira | 435 µmol/l | 382 - 487 | 12 % | 6 | 6 (100.0 %) |
| 2127 | Hitachi S40/M40 | 451 µmol/l | 397 - 505 | 12 % | 16 | 16 (100.0 %) |
| 2104 | Autolyser/DiaSys | 439 µmol/l | 386 - 491 | 12 % | 15 | 15 (100.0 %) |
| Urea | | | | | | |
| 2209 | Standard chemistry | 14.3 mmol/l | 12.2 - 16.5 | 15 % | 27 | 26 (96.3 %) |
| 2223 | Cobas | 13.9 mmol/l | 11.8 - 16.0 | 15 % | 15 | 14 (93.3 %) |
| 2205 | Reflotron | 14.9 mmol/l | 12.7 - 17.1 | 15 % | 306 | 298 (97.4 %) |
| 2232 | Fuji Dri-Chem | 14.7 mmol/l | 12.5 - 16.9 | 15 % | 455 | 455 (100.0 %) |
| 2208 | Spotchem/Ready | 13.5 mmol/l | 11.5 - 15.5 | 15 % | 58 | 55 (94.8 %) |
| 2235 | Spotchem D-Concept | 13.3 mmol/l | 11.3 - 15.3 | 15 % | 129 | 115 (89.1 %) |
| 2213 | Piccolo | 13.2 mmol/l | 11.2 - 15.2 | 15 % | 43 | 41 (95.3 %) |
| 2214 | Skyla | 12.3 mmol/l | 10.5 - 14.1 | 15 % | 5 | 5 (100.0 %) |
| 2224 | Abx Mira | 13.8 mmol/l | 11.8 - 15.9 | 15 % | 6 | 6 (100.0 %) |
| 2227 | Hitachi S40/M40 | 13.8 mmol/l | 11.7 - 15.9 | 15 % | 13 | 13 (100.0 %) |
| 2204 | Autolyser/DiaSys | 14.0 mmol/l | 11.9 - 16.1 | 15 % | 9 | 9 (100.0 %) |
| 4696 | iStat Chem8 | 18.2 mmol/l | 15.5 - 20.9 | 15 % | 7 | 7 (100.0 %) |
| Potassium | | | | | | |
| 2630 | ISE | 4.44 mmol/l | 4.17 - 4.71 | 6 % | 46 | 44 (95.7 %) |
| 2623 | Cobas | 4.50 mmol/l | 4.23 - 4.77 | 6 % | 17 | 17 (100.0 %) |
| 2605 | Reflotron | 4.69 mmol/l | 4.41 - 4.97 | 6 % | 709 | 668 (94.2 %) |
| 2632 | Fuji Dri-Chem | 4.38 mmol/l | 4.11 - 4.64 | 6 % | 801 | 779 (97.3 %) |
| 2635 | Spotchem D-Concept | 3.88 mmol/l | 3.65 - 4.11 | 6 % | 205 | 201 (98.0 %) |
| 2608 | Spotchem EL-SE 1520 | 3.87 mmol/l | 3.64 - 4.11 | 6 % | 101 | 96 (95.0 %) |
| 2613 | Piccolo | 4.51 mmol/l | 4.24 - 4.78 | 6 % | 31 | 25 (80.6 %) |
| 4692 | iStat Chem8 | 4.33 mmol/l | 4.07 - 4.59 | 6 % | 10 | 9 (90.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|-----------------------------|--------------|-------------|------|--------|--------------|
| Creatinine | | | | | |
| 2709 Standard chemistry | 346 µmol/l | 284 - 408 | 18 % | 24 | 23 (95.8 %) |
| 2723 Cobas | 337 µmol/l | 276 - 397 | 18 % | 17 | 17 (100.0 %) |
| 2705 Reflotron | 375 µmol/l | 307 - 442 | 18 % | 898 | 880 (98.0 %) |
| 2732 Fuji Dri-Chem | 332 µmol/l | 273 - 392 | 18 % | 829 | 823 (99.3 %) |
| 2708 Spotchem/Ready | 240 µmol/l | 197 - 283 | 18 % | 124 | 123 (99.2 %) |
| 2735 Spotchem D-Concept | 237 µmol/l | 194 - 279 | 18 % | 212 | 209 (98.6 %) |
| 2713 Enzymatic | 349 µmol/l | 286 - 412 | 18 % | 9 | 9 (100.0 %) |
| 2719 Piccolo | 341 µmol/l | 280 - 403 | 18 % | 45 | 44 (97.8 %) |
| 2724 Abx Mira | 351 µmol/l | 287 - 414 | 18 % | 8 | 8 (100.0 %) |
| 2726 Skyla | 350 µmol/l | 287 - 412 | 18 % | 6 | 6 (100.0 %) |
| 2727 Hitachi S40/M40 | 333 µmol/l | 273 - 393 | 18 % | 17 | 17 (100.0 %) |
| 2704 Autolyser/DiaSys | 333 µmol/l | 273 - 393 | 18 % | 17 | 16 (94.1 %) |
| Creatinine E | | | | | |
| 2720 Statsensor i / Nova | 512 µmol/l | 420 - 604 | 18 % | 44 | 36 (81.8 %) |
| 4697 iStat Chem8 | 334 µmol/l | 274 - 394 | 18 % | 12 | 12 (100.0 %) |
| 6916 ABL700/800 | 353 µmol/l | 289 - 416 | 18 % | 10 | 10 (100.0 %) |
| eGFR CKD-EPI | | | | | |
| 2740 Standard chemistry | 13 | 9 - 18 | 30 % | 65 | 60 (92.3 %) |
| 2743 Spotchem/Ready | 21 | 15 - 28 | 30 % | 121 | 112 (92.6 %) |
| 2741 Reflotron | 12 | 9 - 16 | 30 % | 307 | 296 (96.4 %) |
| 2742 Fuji Dri-Chem | 14 | 10 - 19 | 30 % | 341 | 327 (95.9 %) |
| eGFR Cockcroft-Gault | | | | | |
| 2753 Spotchem/Ready | 22 | 15 - 29 | 30 % | 10 | 9 (90.0 %) |
| 2751 Reflotron | 14 | 10 - 18 | 30 % | 22 | 22 (100.0 %) |
| 2752 Fuji Dri-Chem | 15 | 11 - 20 | 30 % | 25 | 25 (100.0 %) |
| eGFR MDRD | | | | | |
| 2761 Reflotron | 13 | 9 - 17 | 30 % | 10 | 10 (100.0 %) |
| LDH | | | | | |
| 2809 IFCC | 223 U/l | 183 - 263 | 18 % | 30 | 30 (100.0 %) |
| 2823 Cobas | 466 U/l | 382 - 550 | 18 % | 9 | 9 (100.0 %) |
| 2832 Fuji Dri-Chem | 186 U/l | 152 - 219 | 18 % | 147 | 144 (98.0 %) |
| 2808 Spotchem/Ready | 156 U/l | 128 - 184 | 18 % | 16 | 16 (100.0 %) |
| 2835 Spotchem D-Concept | 155 U/l | 127 - 183 | 18 % | 41 | 38 (92.7 %) |
| 2813 Piccolo | 182 U/l | 149 - 215 | 18 % | 4 | 4 (100.0 %) |
| 2824 Abx Mira | 223 U/l | 183 - 263 | 18 % | 6 | 6 (100.0 %) |
| 2827 Hitachi S40/M40 | 210 U/l | 172 - 248 | 18 % | 6 | 6 (100.0 %) |
| 2804 Autolyser/DiaSys | 222 U/l | 182 - 262 | 18 % | 9 | 9 (100.0 %) |
| Magnesium | | | | | |
| 2909 Standard chemistry | 1.11 mmol/l | 0.98 - 1.25 | 12 % | 14 | 14 (100.0 %) |
| 2923 Cobas | 1.13 mmol/l | 0.99 - 1.26 | 12 % | 10 | 10 (100.0 %) |
| 2932 Fuji Dri-Chem | 1.16 mmol/l | 1.02 - 1.30 | 12 % | 115 | 112 (97.4 %) |
| 2935 Spotchem D-Concept | 0.89 mmol/l | 0.78 - 1.00 | 12 % | 41 | 41 (100.0 %) |
| 2908 Spotchem/Ready | 0.92 mmol/l | 0.81 - 1.03 | 12 % | 11 | 11 (100.0 %) |
| 2910 Beckman | 1.15 mmol/l | 1.01 - 1.29 | 12 % | 7 | 7 (100.0 %) |
| 2913 Piccolo | 1.10 mmol/l | 0.96 - 1.23 | 12 % | 6 | 6 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|-----------------------------------|--------------|-------------|------|--------|---------------|
| Sodium | | | | | |
| 3030 ISE | 137 mmol/l | 129 - 146 | 6 % | 42 | 41 (97.6 %) |
| 3023 Cobas | 136 mmol/l | 128 - 145 | 6 % | 17 | 17 (100.0 %) |
| 3032 Fuji Dri-Chem | 139 mmol/l | 131 - 148 | 6 % | 746 | 735 (98.5 %) |
| 3035 Spotchem D-Concept | 131 mmol/l | 124 - 139 | 6 % | 197 | 195 (99.0 %) |
| 3008 Spotchem EL-SE 1520 | 129 mmol/l | 121 - 136 | 6 % | 101 | 99 (98.0 %) |
| 3013 Piccolo | 133 mmol/l | 125 - 140 | 6 % | 32 | 31 (96.9 %) |
| 4691 iStat Chem8 | 136 mmol/l | 127 - 144 | 6 % | 8 | 7 (87.5 %) |
| Phosphate | | | | | |
| 3109 Standard chemistry | 1.7 mmol/l | 1.5 - 2.0 | 15 % | 22 | 22 (100.0 %) |
| 3123 Cobas | 1.7 mmol/l | 1.4 - 1.9 | 15 % | 11 | 11 (100.0 %) |
| 3132 Fuji Dri-Chem | 1.8 mmol/l | 1.5 - 2.1 | 15 % | 83 | 80 (96.4 %) |
| 3135 Spotchem D-Concept | 1.7 mmol/l | 1.5 - 2.0 | 15 % | 21 | 21 (100.0 %) |
| 3108 Spotchem/Ready | 1.6 mmol/l | 1.4 - 1.8 | 15 % | 7 | 7 (100.0 %) |
| 3113 Piccolo | 2.0 mmol/l | 1.7 - 2.3 | 15 % | 4 | 4 (100.0 %) |
| Protein total | | | | | |
| 3209 Standard chemistry | 56.9 g/l | 50.1 - 63.7 | 12 % | 26 | 26 (100.0 %) |
| 3223 Cobas | 56.2 g/l | 49.5 - 63.0 | 12 % | 12 | 12 (100.0 %) |
| 3232 Fuji Dri-Chem | 57.2 g/l | 50.3 - 64.0 | 12 % | 183 | 180 (98.4 %) |
| 3208 Spotchem/Ready | 57.5 g/l | 50.6 - 64.4 | 12 % | 28 | 24 (85.7 %) |
| 3235 Spotchem D-Concept | 61.0 g/l | 53.7 - 68.3 | 12 % | 89 | 83 (93.3 %) |
| 3213 Piccolo | 57.2 g/l | 50.3 - 64.1 | 12 % | 29 | 29 (100.0 %) |
| 3214 Skyla | 59.0 g/l | 51.9 - 66.1 | 12 % | 5 | 5 (100.0 %) |
| 3224 Abx Mira | 55.2 g/l | 48.6 - 61.8 | 12 % | 4 | 4 (100.0 %) |
| 3227 Hitachi S40/M40 | 60.0 g/l | 52.8 - 67.2 | 12 % | 7 | 7 (100.0 %) |
| 3204 Autolyser/DiaSys | 56.8 g/l | 49.9 - 63.6 | 12 % | 4 | 4 (100.0 %) |
| Aspartate aminotransferase | | | | | |
| 3313 IFCC with PP | 159 U/l | 130 - 187 | 18 % | 30 | 30 (100.0 %) |
| 3323 Cobas | 155 U/l | 127 - 183 | 18 % | 11 | 11 (100.0 %) |
| 3305 Reflotron | 198 U/l | 162 - 233 | 18 % | 789 | 769 (97.5 %) |
| 3332 Fuji Dri-Chem | 146 U/l | 119 - 172 | 18 % | 810 | 808 (99.8 %) |
| 3308 Spotchem/Ready | 127 U/l | 104 - 149 | 18 % | 120 | 120 (100.0 %) |
| 3435 Spotchem D-Concept | 136 U/l | 112 - 161 | 18 % | 214 | 211 (98.6 %) |
| 3314 IFCC without PP | 149 U/l | 122 - 175 | 18 % | 8 | 8 (100.0 %) |
| 3319 Piccolo | 145 U/l | 119 - 171 | 18 % | 44 | 44 (100.0 %) |
| 3320 Skyla | 166 U/l | 136 - 196 | 18 % | 6 | 6 (100.0 %) |
| 3324 Abx Mira | 151 U/l | 124 - 178 | 18 % | 7 | 6 (85.7 %) |
| 3327 Hitachi S40/M40 | 157 U/l | 129 - 185 | 18 % | 19 | 19 (100.0 %) |
| 3304 Autolyser/DiaSys | 157 U/l | 129 - 186 | 18 % | 17 | 17 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|---------------------------------|--------------|-------------|------|--------|--------------|
| Alanine aminotransferase | | | | | |
| 3413 IFCC with PP | 143 U/l | 117 - 169 | 18 % | 30 | 30 (100.0 %) |
| 3423 Cobas | 138 U/l | 113 - 162 | 18 % | 18 | 18 (100.0 %) |
| 3405 Reflotron | 123 U/l | 101 - 145 | 18 % | 820 | 805 (98.2 %) |
| 3432 Fuji Dri-Chem | 137 U/l | 112 - 162 | 18 % | 827 | 824 (99.6 %) |
| 3408 Spotchem/Ready | 122 U/l | 100 - 144 | 18 % | 125 | 122 (97.6 %) |
| 3335 Spotchem D-Concept | 102 U/l | 84 - 121 | 18 % | 218 | 216 (99.1 %) |
| 3419 Piccolo | 127 U/l | 104 - 150 | 18 % | 45 | 45 (100.0 %) |
| 3420 Skyla | 146 U/l | 119 - 172 | 18 % | 6 | 6 (100.0 %) |
| 3424 Abx Mira | 148 U/l | 121 - 174 | 18 % | 8 | 7 (87.5 %) |
| 3427 Hitachi S40/M40 | 147 U/l | 120 - 173 | 18 % | 19 | 19 (100.0 %) |
| 3404 Autolyser/DiaSys | 148 U/l | 121 - 175 | 18 % | 17 | 17 (100.0 %) |
| Triglycerides | | | | | |
| 3509 Standard chemistry | 1.90 mmol/l | 1.52 - 2.29 | 20 % | 28 | 28 (100.0 %) |
| 3523 Cobas | 1.84 mmol/l | 1.47 - 2.21 | 20 % | 18 | 17 (94.4 %) |
| 3505 Reflotron | 2.50 mmol/l | 2.00 - 3.00 | 20 % | 534 | 519 (97.2 %) |
| 3532 Fuji Dri-Chem | 2.34 mmol/l | 1.87 - 2.81 | 20 % | 721 | 716 (99.3 %) |
| 3508 Spotchem/Ready | 1.26 mmol/l | 1.01 - 1.52 | 20 % | 103 | 101 (98.1 %) |
| 3535 Spotchem D-Concept | 1.40 mmol/l | 1.12 - 1.68 | 20 % | 189 | 183 (96.8 %) |
| 3510 Hitachi S40/M40 | 0.46 mmol/l | 0.37 - 0.55 | 20 % | 15 | 14 (93.3 %) |
| 3513 Piccolo | 2.09 mmol/l | 1.67 - 2.51 | 20 % | 20 | 19 (95.0 %) |
| 3520 Cholestech LDX | 1.92 mmol/l | 1.54 - 2.30 | 20 % | 162 | 160 (98.8 %) |
| 3524 Abx Mira | 1.93 mmol/l | 1.54 - 2.32 | 20 % | 7 | 7 (100.0 %) |
| 3504 Autolyser/DiaSys | 1.83 mmol/l | 1.47 - 2.20 | 20 % | 16 | 16 (100.0 %) |
| Lithium | | | | | |
| 6520 all Participants | 1.58 mmol/l | 1.34 - 1.81 | 15 % | 14 | 14 (100.0 %) |
| Lactate | | | | | |
| 4685 all Participants | 4.01 mmol/l | 3.29 - 4.73 | 18 % | 9 | 9 (100.0 %) |
| K34 Klinische Chemie 2 | | | | | |
| Cholinesterase | | | | | |
| 6515 all Participants | 4.9 kU/L | 3.5 - 6.4 | 30 % | 4 | 4 (100.0 %) |
| K03 HbA1c | | | | | |
| HbA1c sample A | | | | | |
| 4710 Cobas b101 | 8.1 % | 7.3 - 8.8 | 9 % | 44 | 44 (100.0 %) |
| 4701 Afinion | 8.0 % | 7.3 - 8.7 | 9 % | 719 | 713 (99.2 %) |
| 4708 Eurolyser | 8.1 % | 7.4 - 8.8 | 9 % | 20 | 20 (100.0 %) |
| 4711 Hemocue HbA1c 501 | 8.1 % | 7.4 - 8.8 | 9 % | 9 | 9 (100.0 %) |
| 4726 NycoCard | 8.2 % | 7.4 - 8.9 | 9 % | 63 | 59 (93.7 %) |
| 4752 DCA2000/Vantage | 8.1 % | 7.4 - 8.8 | 9 % | 201 | 196 (97.5 %) |
| 4753 Others | 8.1 % | 7.4 - 8.8 | 9 % | 16 | 12 (75.0 %) |
| 4754 HPLC | 8.1 % | 7.4 - 8.8 | 9 % | 7 | 7 (100.0 %) |
| 4756 Roche, Cobas | 8.1 % | 7.4 - 8.8 | 9 % | 15 | 15 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|--------------------------------------|--------------|---------------|------|--------|--------------|
| HbA1c sample B | | | | | |
| 4760 Cobas b101 | 6.2 % | 5.6 - 6.7 | 9 % | 40 | 39 (97.5 %) |
| 4702 Afinion | 6.4 % | 5.8 - 7.0 | 9 % | 632 | 625 (98.9 %) |
| 4709 Eurolyser | 6.3 % | 5.7 - 6.9 | 9 % | 17 | 14 (82.4 %) |
| 4759 Hemocue HbA1c 501 | 6.3 % | 5.7 - 6.9 | 9 % | 6 | 5 (83.3 %) |
| 4761 NycoCard | 6.6 % | 6.0 - 7.2 | 9 % | 47 | 43 (91.5 %) |
| 4762 DCA2000/Vantage | 6.5 % | 5.9 - 7.1 | 9 % | 224 | 221 (98.7 %) |
| 4763 Others | 6.3 % | 5.7 - 6.9 | 9 % | 15 | 12 (80.0 %) |
| 4764 HPLC | 6.3 % | 5.7 - 6.9 | 9 % | 8 | 8 (100.0 %) |
| 4766 Roche, Cobas | 6.3 % | 5.7 - 6.9 | 9 % | 16 | 15 (93.8 %) |
| K04 Blood gases and oxymetrie | | | | | |
| pCO2 | | | | | |
| 4046 Cobas | 3.00 kPa | 2.55 - 3.45 | 15 % | 19 | 19 (100.0 %) |
| 4048 IL | 2.80 kPa | 2.38 - 3.22 | 15 % | 4 | 3 (75.0 %) |
| 4051 iStat | 2.64 kPa | 2.24 - 3.03 | 15 % | 39 | 38 (97.4 %) |
| 4851 EPOC | 2.19 kPa | 1.86 - 2.52 | 15 % | 39 | 37 (94.9 %) |
| 6901 ABL700/800 | 2.87 kPa | 2.44 - 3.30 | 15 % | 71 | 71 (100.0 %) |
| 6951 ABL 90 | 2.96 kPa | 2.51 - 3.40 | 15 % | 39 | 39 (100.0 %) |
| 6971 ABL 80 / Coox | 2.93 kPa | 2.49 - 3.37 | 15 % | 25 | 22 (88.0 %) |
| pO2 | | | | | |
| 4145 Cobas b221 | 12.28 kPa | 10.44 - 14.12 | 15 % | 6 | 5 (83.3 %) |
| 4146 Cobas b121/123 | 9.30 kPa | 7.91 - 10.70 | 15 % | 9 | 6 (66.7 %) |
| 4148 IL | 9.80 kPa | 8.33 - 11.27 | 15 % | 4 | 3 (75.0 %) |
| 4151 iStat | 10.78 kPa | 9.17 - 12.40 | 15 % | 39 | 35 (89.7 %) |
| 4852 EPOC | 8.20 kPa | 6.97 - 9.43 | 15 % | 39 | 33 (84.6 %) |
| 6902 ABL700/800 | 10.16 kPa | 8.64 - 11.69 | 15 % | 71 | 66 (93.0 %) |
| 6952 ABL 90 | 7.49 kPa | 6.37 - 8.61 | 15 % | 39 | 33 (84.6 %) |
| 6972 ABL 80 / Coox | 8.40 kPa | 7.14 - 9.66 | 15 % | 25 | 21 (84.0 %) |
| pH | | | | | |
| 4246 Cobas | 7.58 | 7.51 - 7.65 | 1 % | 19 | 19 (100.0 %) |
| 4248 IL | 7.65 | 7.58 - 7.72 | 1 % | 4 | 4 (100.0 %) |
| 4251 iStat | 7.67 | 7.60 - 7.74 | 1 % | 40 | 38 (95.0 %) |
| 4850 EPOC | 7.66 | 7.59 - 7.73 | 1 % | 38 | 38 (100.0 %) |
| 6900 ABL700/800 | 7.58 | 7.51 - 7.65 | 1 % | 71 | 70 (98.6 %) |
| 6950 ABL 90 | 7.59 | 7.52 - 7.66 | 1 % | 39 | 39 (100.0 %) |
| 6970 ABL 80 / Coox | 7.60 | 7.53 - 7.67 | 1 % | 25 | 25 (100.0 %) |
| Glucose BG | | | | | |
| 4345 Cobas b221 | 16.3 mmol/l | 14.7 - 17.9 | 10 % | 4 | 4 (100.0 %) |
| 4346 Cobas | 14.5 mmol/l | 13.1 - 16.0 | 10 % | 8 | 8 (100.0 %) |
| 4351 iStat | 13.1 mmol/l | 11.8 - 14.4 | 10 % | 10 | 10 (100.0 %) |
| 4856 EPOC | 14.5 mmol/l | 13.1 - 16.0 | 10 % | 28 | 28 (100.0 %) |
| 6914 ABL700/800 | 14.2 mmol/l | 12.8 - 15.6 | 10 % | 59 | 59 (100.0 %) |
| 6964 ABL 90 | 13.8 mmol/l | 12.4 - 15.2 | 10 % | 37 | 37 (100.0 %) |
| 6984 ABL 80 / Coox | 13.8 mmol/l | 12.4 - 15.2 | 10 % | 4 | 4 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|----------------------|--------------|------------------|------|--------|--------------|
| Hemoglobin BG | | | | | |
| 6903 ABL700/800 | 194.3 g/l | 176.8 - 211.8 | 9 % | 61 | 61 (100.0 %) |
| 6953 ABL 90 | 193.9 g/l | 176.4 - 211.3 | 9 % | 37 | 36 (97.3 %) |
| 6973 ABL 80 / Coox | 194.7 g/l | 177.2 - 212.2 | 9 % | 18 | 18 (100.0 %) |
| Potassium BG | | | | | |
| 4546 Cobas | 5.4 mmol/l | 5.1 - 5.7 | 6 % | 20 | 20 (100.0 %) |
| 4551 iStat | 5.3 mmol/l | 5.0 - 5.6 | 6 % | 18 | 18 (100.0 %) |
| 4854 EPOC | 4.9 mmol/l | 4.6 - 5.2 | 6 % | 33 | 33 (100.0 %) |
| 6910 ABL700/800 | 5.5 mmol/l | 5.2 - 5.9 | 6 % | 60 | 60 (100.0 %) |
| 6960 ABL 90 | 5.5 mmol/l | 5.2 - 5.8 | 6 % | 38 | 38 (100.0 %) |
| 6980 ABL 80 / Coox | 5.1 mmol/l | 4.8 - 5.4 | 6 % | 9 | 8 (88.9 %) |
| Sodium BG | | | | | |
| 4646 Cobas | 123.4 mmol/l | 116.0 - 130.8 | 6 % | 20 | 20 (100.0 %) |
| 4651 iStat | 125.9 mmol/l | 118.3 - 133.4 | 6 % | 18 | 18 (100.0 %) |
| 4853 EPOC | 115.4 mmol/l | 108.5 - 122.3 | 6 % | 31 | 31 (100.0 %) |
| 6911 ABL700/800 | 126.9 mmol/l | 119.3 - 134.5 | 6 % | 58 | 58 (100.0 %) |
| 6961 ABL 90 | 126.6 mmol/l | 119.0 - 134.2 | 6 % | 39 | 39 (100.0 %) |
| 6981 ABL 80 / Coox | 122.5 mmol/l | 115.2 - 129.9 | 6 % | 8 | 8 (100.0 %) |
| Chlorid-BG | | | | | |
| 4661 Cobas | 70.3 mmol/l | 66.1 - 74.5 | 6 % | 9 | 6 (66.7 %) |
| 6913 ABL700/800 | 67.0 mmol/l | 63.0 - 71.0 | 6 % | 51 | 51 (100.0 %) |
| 6963 ABL 90 | 65.4 mmol/l | 61.4 - 69.3 | 6 % | 37 | 37 (100.0 %) |
| 6983 ABL 80 / Coox | 64.0 mmol/l | 60.2 - 67.8 | 6 % | 7 | 6 (85.7 %) |
| Calcium-BG | | | | | |
| 4670 Cobas b123 | 0.17 mmol/l | 0.01 - 0.41 | 12 % | 5 | 5 (100.0 %) |
| 4671 Cobas | 0.28 mmol/l | 0.04 - 0.52 | 12 % | 13 | 13 (100.0 %) |
| 4673 iStat | 0.29 mmol/l | 0.05 - 0.53 | 12 % | 10 | 10 (100.0 %) |
| 4855 EPOC | 0.26 mmol/l | 0.02 - 0.50 | 12 % | 31 | 30 (96.8 %) |
| 6912 ABL700/800 | 0.37 mmol/l | 0.13 - 0.61 | 12 % | 59 | 59 (100.0 %) |
| 6962 ABL 90 | 0.37 mmol/l | 0.13 - 0.61 | 12 % | 39 | 39 (100.0 %) |
| 6982 ABL 80 / Coox | 0.31 mmol/l | 0.07 - 0.55 | 12 % | 9 | 9 (100.0 %) |
| FHHb | | | | | |
| 6978 ABL 80 / Coox | 21.00 % | 16.800 - 25.200 | 20 % | 8 | 8 (100.0 %) |
| Lactate-BG | | | | | |
| 4680 Cobas b123 | 11.05 mmol/l | 9.95 - 12.16 | 10 % | 6 | 6 (100.0 %) |
| 4681 Cobas | 12.50 mmol/l | 11.25 - 13.75 | 10 % | 5 | 4 (80.0 %) |
| 4683 IL | 11.90 mmol/l | 10.71 - 13.09 | 10 % | 5 | 4 (80.0 %) |
| 4857 EPOC | 11.04 mmol/l | 9.94 - 12.14 | 10 % | 34 | 22 (64.7 %) |
| 4859 iStat | 11.05 mmol/l | 9.95 - 12.16 | 10 % | 9 | 9 (100.0 %) |
| 6915 ABL700/800 | 10.33 mmol/l | 9.29 - 11.36 | 10 % | 64 | 60 (93.8 %) |
| 6965 ABL 90 | 10.54 mmol/l | 9.49 - 11.60 | 10 % | 39 | 38 (97.4 %) |
| sO2 OR | | | | | |
| 4751 iStat | 98.00 % | 78.400 - 117.600 | 20 % | 7 | 7 (100.0 %) |
| 6904 ABL700/800 | 70.14 % | 56.118 - 84.177 | 20 % | 46 | 46 (100.0 %) |
| 6954 ABL 90 | 70.12 % | 56.097 - 84.145 | 20 % | 33 | 33 (100.0 %) |
| 6974 ABL 80 / Coox | 70.06 % | 56.053 - 84.080 | 20 % | 17 | 15 (88.2 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|------------------------------|--------------|-----------------|------|--------|--------------|
| FO2Hb OR | | | | | |
| 6905 ABL700/800 | 48.80 % | 39.042 - 58.563 | 20 % | 46 | 46 (100.0 %) |
| 6955 ABL 90 | 48.93 % | 39.151 - 58.726 | 20 % | 34 | 34 (100.0 %) |
| 6975 ABL 80 / Coox | 48.93 % | 39.148 - 58.722 | 20 % | 18 | 17 (94.4 %) |
| FCOHb OR | | | | | |
| 6906 ABL700/800 | 20.41 % | 16.335 - 24.503 | 20 % | 47 | 47 (100.0 %) |
| 6956 ABL 90 | 20.18 % | 16.145 - 24.218 | 20 % | 33 | 33 (100.0 %) |
| 6976 ABL 80 / Coox | 20.14 % | 16.113 - 24.169 | 20 % | 18 | 17 (94.4 %) |
| FMetHb OR | | | | | |
| 6907 ABL700/800 | 10.01 % | 8.011 - 12.017 | 20 % | 50 | 50 (100.0 %) |
| 6957 ABL 90 | 9.991 % | 7.992 - 11.989 | 20 % | 32 | 32 (100.0 %) |
| 6977 ABL 80 / Coox | 10.00 % | 8.004 - 12.007 | 20 % | 18 | 18 (100.0 %) |
| FHbF OR | | | | | |
| 6958 ABL 90 | 51.00 % | 40.800 - 61.200 | 20 % | 5 | 5 (100.0 %) |
| Bilirubin OR | | | | | |
| 6909 ABL700/800 | 449.0 µmol/l | 368.2 - 529.8 | 18 % | 6 | 6 (100.0 %) |
| 6959 ABL 90 | 445.9 µmol/l | 365.7 - 526.2 | 18 % | 16 | 16 (100.0 %) |
| U01 Urine quant. | | | | | |
| Amylase - Urine | | | | | |
| 4821 IFCC | 135 U/l | 101 - 169 | 25 % | 5 | 5 (100.0 %) |
| Calcium - Urine | | | | | |
| 5009 Standard chemistry | 2.22 mmol/l | 1.95 - 2.49 | 12 % | 15 | 15 (100.0 %) |
| Chloride - Urine | | | | | |
| 5110 Cobas | 130 mmol/l | 122 - 138 | 6 % | 7 | 7 (100.0 %) |
| 5109 Standard chemistry | 142 mmol/l | 133 - 150 | 6 % | 6 | 6 (100.0 %) |
| Glucose - Urine | | | | | |
| 5309 Standard chemistry | 8.0 mmol/l | 7.2 - 8.8 | 10 % | 17 | 17 (100.0 %) |
| Magnesium - Urine | | | | | |
| 5709 Standard chemistry | 2.54 mmol/l | 2.23 - 2.84 | 12 % | 10 | 10 (100.0 %) |
| Osmolality - Urine | | | | | |
| 6059 Cryoscopy | 594 mosm/kg | 535 - 653 | 10 % | 8 | 8 (100.0 %) |
| Phosphate - Urine | | | | | |
| 6209 Standard chemistry | 12.1 mmol/l | 10.3 - 13.9 | 15 % | 16 | 16 (100.0 %) |
| Potassium - Urine | | | | | |
| 5630 all Participants | 48 mmol/l | 41 - 56 | 15 % | 24 | 24 (100.0 %) |
| total Protein - Urine | | | | | |
| 6301 Cobas/Roche | 318.0 mg/l | 254.4 - 381.6 | 20 % | 12 | 12 (100.0 %) |
| 6309 Standard chemistry | 381.9 mg/l | 305.5 - 458.3 | 20 % | 10 | 9 (90.0 %) |
| Sodium - Urine | | | | | |
| 5930 all Participants | 120 mmol/l | 102 - 138 | 15 % | 24 | 24 (100.0 %) |
| Urea - Urine | | | | | |
| 5509 Standard chemistry | 189 mmol/l | 161 - 218 | 15 % | 19 | 19 (100.0 %) |
| Uric Acid - Urine | | | | | |
| 5409 Standard chemistry | 0.88 mmol/l | 0.75 - 1.01 | 15 % | 16 | 16 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|-----------------------------------|--------------|---------------|------|--------|--------------|
| Specific Gravity - Urine | | | | | |
| 6460 Refractometer | 1.017 | 0.966 - 1.068 | 5 % | 7 | 7 (100.0 %) |
| G02 INR CoaguChek Pro II | | | | | |
| INR CoaguChek | | | | | |
| 3670 CoaguChek Pro II | 2.7 | 2.3 - 3.1 | 15 % | 214 | 213 (99.5 %) |
| G01 Coagulation INR | | | | | |
| INR | | | | | |
| 3634 Neoplastin Plus | 2.15 | 1.83 - 2.47 | 15 % | 6 | 6 (100.0 %) |
| 3638 Innovin | 1.64 | 1.39 - 1.88 | 15 % | 15 | 15 (100.0 %) |
| 3643 Recombiplastin 2G | 1.71 | 1.45 - 1.97 | 15 % | 15 | 15 (100.0 %) |
| 3686 Eurolyser | 1.70 | 1.45 - 1.96 | 15 % | 4 | 3 (75.0 %) |
| 3668 Neoplastin R | 1.79 | 1.52 - 2.06 | 15 % | 9 | 9 (100.0 %) |
| Fibrinogen OA | | | | | |
| 3964 Siemens Thrombin | 0.99 g/l | 0.84 - 1.14 | 15 % | 4 | 4 (100.0 %) |
| 3966 Stago/STA | 1.18 g/l | 1.00 - 1.36 | 15 % | 11 | 11 (100.0 %) |
| 3967 Fibrinogen Q.F.A. | 1.16 g/l | 0.99 - 1.33 | 15 % | 9 | 7 (77.8 %) |
| Activated Prothrombin Time | | | | | |
| 3762 Actin FS | 43.1 Sek | 32.3 - 53.9 | 25 % | 9 | 9 (100.0 %) |
| 3763 Pathromtin SL | 73.3 Sek | 55.0 - 91.6 | 25 % | 4 | 4 (100.0 %) |
| 3764 Stago/STA | 52.4 Sek | 39.3 - 65.5 | 25 % | 9 | 9 (100.0 %) |
| 3765 aPTT-SP | 43.3 Sek | 32.4 - 54.1 | 25 % | 11 | 11 (100.0 %) |
| G03 Coagulation NT | | | | | |
| Prothrombin time NT | | | | | |
| 8132 Neoplastin R | 86 % | 73 - 99 | 15 % | 7 | 7 (100.0 %) |
| 8134 Neoplastin Plus | 90 % | 77 - 104 | 15 % | 5 | 5 (100.0 %) |
| 8138 Innovin | 91 % | 77 - 105 | 15 % | 12 | 12 (100.0 %) |
| 8146 Recombiplastin 2G | 97 % | 83 - 112 | 15 % | 14 | 14 (100.0 %) |
| Fibrinogen N | | | | | |
| 8000 Siemens Thrombin | 2.42 g/l | 2.05 - 2.78 | 15 % | 6 | 6 (100.0 %) |
| 8003 Stago/STA | 2.75 g/l | 2.34 - 3.16 | 15 % | 11 | 10 (90.9 %) |
| 8004 Fibrinogen Q.F.A. | 2.78 g/l | 2.36 - 3.19 | 15 % | 8 | 8 (100.0 %) |
| 8006 Fib Clauss (IL) | 2.58 g/l | 2.19 - 2.97 | 15 % | 6 | 6 (100.0 %) |
| aPTT N | | | | | |
| 8024 Actin FS | 25.7 Sek | 19.2 - 32.1 | 25 % | 6 | 6 (100.0 %) |
| 8026 Other methods | 26.4 Sek | 19.8 - 33.0 | 25 % | 4 | 4 (100.0 %) |
| 8027 Stago/STA | 34.0 Sek | 25.5 - 42.5 | 25 % | 10 | 10 (100.0 %) |
| 8028 aPTT-SP | 26.7 Sek | 20.0 - 33.3 | 25 % | 12 | 12 (100.0 %) |
| G04 Coagulation heparine | | | | | |
| Prothrombin time HT | | | | | |
| 8232 Neoplastin R | 95 % | 81 - 109 | 15 % | 7 | 7 (100.0 %) |
| 8238 Innovin | 89 % | 76 - 102 | 15 % | 9 | 9 (100.0 %) |
| 8243 Recombiplastin 2G | 92 % | 78 - 106 | 15 % | 8 | 8 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform | |
|----------------------------|----------------------|------------|------------------|--------|---------|--------------|
| Fibrinogen H | | | | | | |
| 8010 | Siemens Thrombin | 3.19 g/l | 2.71 - 3.66 | 15 % | 4 | 4 (100.0 %) |
| 8013 | Stago/STA | 3.20 g/l | 2.72 - 3.68 | 15 % | 8 | 8 (100.0 %) |
| 8017 | Fib Clauss (IL) | 2.95 g/l | 2.51 - 3.39 | 15 % | 5 | 5 (100.0 %) |
| aPTT H | | | | | | |
| 8034 | Actin FS | 120.0 Sek | 90.0 - 150.0 | 25 % | 8 | 8 (100.0 %) |
| 8036 | Other methods | 120.0 Sek | 90.0 - 150.0 | 25 % | 4 | 4 (100.0 %) |
| 8037 | Stago/STA | 120.0 Sek | 90.0 - 150.0 | 25 % | 5 | 5 (100.0 %) |
| 8038 | aPTT-SP | 120.0 Sek | 90.0 - 150.0 | 25 % | 5 | 5 (100.0 %) |
| K05 Cardiac Markers | | | | | | |
| Troponin I | | | | | | |
| 8101 | Vidas | 3943. ng/l | 2996.8 - 4889.5 | 24 % | 12 | 11 (91.7 %) |
| 8102 | Architect High Sensi | 2171. ng/l | 1650.0 - 2692.0 | 24 % | 9 | 9 (100.0 %) |
| 8115 | AQT 90 FLEX | 285.0 ng/l | 216.6 - 353.4 | 24 % | 6 | 6 (100.0 %) |
| 8203 | ADVIA Centaur XP/CP | 4873. ng/l | 3703.9 - 6043.1 | 24 % | 4 | 4 (100.0 %) |
| 8205 | Eurolyser | 1010. ng/l | 768.1 - 1253.3 | 24 % | 16 | 14 (87.5 %) |
| Troponin T | | | | | | |
| 8116 | Cobas hs STAT | 918.0 ng/l | 697.68 - 1138.32 | 24 % | 7 | 7 (100.0 %) |
| Myoglobin | | | | | | |
| 8125 | Cobas E / Elecsys | 98.0 µg/l | 68.6 - 127.4 | 30 % | 4 | 4 (100.0 %) |
| CK-MB mass | | | | | | |
| 8091 | Architect | 15.6 µg/l | 9.4 - 21.8 | 40 % | 4 | 4 (100.0 %) |
| 8093 | VIDAS | 23.6 µg/l | 14.1 - 33.0 | 40 % | 5 | 5 (100.0 %) |
| G06 D-dimer | | | | | | |
| D-dimer | | | | | | |
| 7101 | STA Liatest | 1.08 mg/l | 0.85 - 1.31 | 21 % | 9 | 9 (100.0 %) |
| 7102 | Siemens Innovance | 1.60 mg/l | 1.26 - 1.93 | 21 % | 4 | 4 (100.0 %) |
| 7109 | Eurolyser (Cutoff 0. | 0.92 mg/l | 0.73 - 1.12 | 21 % | 6 | 6 (100.0 %) |
| 7111 | Eurolyser | 0.93 mg/l | 0.74 - 1.13 | 21 % | 22 | 18 (81.8 %) |
| 7112 | ACL | 1.62 mg/l | 1.28 - 1.96 | 21 % | 6 | 6 (100.0 %) |
| 7115 | AQT 90 FLEX | 0.70 mg/l | 0.55 - 0.85 | 21 % | 8 | 8 (100.0 %) |
| 7127 | VIDAS | 0.98 mg/l | 0.77 - 1.19 | 21 % | 17 | 17 (100.0 %) |
| D-Dimer NC | | | | | | |
| 7126 | NycoCard | 0.41 mg/l | 0.32 - 0.49 | 21 % | 19 | 12 (63.2 %) |
| K06 Hormones | | | | | | |
| TSH | | | | | | |
| 7201 | Cobas E / Elecsys | 4.87 mU/l | 3.90 - 5.85 | 20 % | 10 | 10 (100.0 %) |
| 7203 | ADVIA Centaur XP/CP | 4.20 mU/l | 3.36 - 5.04 | 20 % | 4 | 4 (100.0 %) |
| 7204 | Architect | 3.89 mU/l | 3.11 - 4.67 | 20 % | 12 | 12 (100.0 %) |
| 7205 | VIDAS | 5.14 mU/l | 4.11 - 6.17 | 20 % | 15 | 15 (100.0 %) |
| 7208 | Dimension | 4.86 mU/l | 3.89 - 5.83 | 20 % | 4 | 4 (100.0 %) |
| 7257 | AFIAS | 5.48 mU/l | 4.38 - 6.57 | 20 % | 15 | 13 (86.7 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|-------------------------------------|--------------|-----------------|------|--------|--------------|
| T3 | | | | | |
| 7210 AFIAS | 1.6 nmol/l | 1.3 - 2.0 | 20 % | 6 | 5 (83.3 %) |
| T4 | | | | | |
| 7220 AFIAS | 227 nmol/l | 181 - 272 | 20 % | 6 | 6 (100.0 %) |
| FT3 | | | | | |
| 7231 Cobas E / Elecsys | 8.8 pmol/l | 7.2 - 10.4 | 18 % | 10 | 10 (100.0 %) |
| 7234 Architect | 6.8 pmol/l | 5.6 - 8.0 | 18 % | 11 | 11 (100.0 %) |
| 7235 VIDAS | 7.3 pmol/l | 6.0 - 8.6 | 18 % | 7 | 7 (100.0 %) |
| FT4 | | | | | |
| 7241 Cobas E / Elecsys | 26.9 pmol/l | 21.5 - 32.2 | 20 % | 10 | 10 (100.0 %) |
| 7244 Architect | 20.1 pmol/l | 16.1 - 24.1 | 20 % | 12 | 12 (100.0 %) |
| 7246 VIDAS | 25.3 pmol/l | 20.2 - 30.3 | 20 % | 7 | 7 (100.0 %) |
| 7249 Other methods | 24.0 pmol/l | 19.2 - 28.8 | 20 % | 5 | 5 (100.0 %) |
| Testosterone | | | | | |
| 7390 Cobas | 18 nmol/l | 13 - 23 | 30 % | 4 | 4 (100.0 %) |
| 7392 Architect | 17 nmol/l | 12 - 22 | 30 % | 5 | 5 (100.0 %) |
| Estradiol | | | | | |
| 7372 Architect | 635 pmol/l | 445 - 826 | 30 % | 5 | 5 (100.0 %) |
| Cortisol | | | | | |
| 7261 Cobas E / Elecsys | 481 nmol/l | 385 - 577 | 20 % | 7 | 7 (100.0 %) |
| 7263 ADVIA Centaur XP/CP | 567 nmol/l | 454 - 680 | 20 % | 4 | 4 (100.0 %) |
| 7264 Architect | 433 nmol/l | 347 - 520 | 20 % | 6 | 6 (100.0 %) |
| Luteinizing hormone | | | | | |
| 8181 Roche, Cobas | 16.4 U/l | 12.5 - 20.3 | 24 % | 4 | 4 (100.0 %) |
| 8183 Architect | 12.0 U/l | 9.1 - 14.9 | 24 % | 6 | 6 (100.0 %) |
| Follicle-stimulating hormone | | | | | |
| 8171 Roche, Cobas | 15.5 U/l | 11.7 - 19.2 | 24 % | 4 | 4 (100.0 %) |
| 8173 Architect | 15.7 U/l | 11.9 - 19.4 | 24 % | 6 | 6 (100.0 %) |
| Prolactine | | | | | |
| 7271 Cobas/Roche | 19.9 µg/l | 15.1 - 24.7 | 24 % | 4 | 4 (100.0 %) |
| 7272 Architect | 16.4 µg/l | 12.4 - 20.3 | 24 % | 6 | 6 (100.0 %) |
| K08 Cardiac Markers h323 | | | | | |
| Troponin T CR | | | | | |
| 7445 Cobas h 232 | 742.7 ng/l | 564.51 - 921.04 | 24 % | 1018 | 913 (89.7 %) |
| 7450 Cardiac Reader | 747.8 ng/l | 568.35 - 927.31 | 24 % | 13 | 11 (84.6 %) |
| D-dimer CR | | | | | |
| 7442 Cobas h 232 | 1.50 mg/l | 1.10 - 1.91 | 21 % | 1031 | 944 (91.6 %) |
| 7452 Cardiac Reader | 1.60 mg/l | 1.26 - 1.94 | 21 % | 11 | 9 (81.8 %) |
| CKMB - K8 | | | | | |
| 7448 Cobas h 232 | 18.2 µg/l | 10.9 - 25.4 | 40 % | 11 | 11 (100.0 %) |
| proBNP CR | | | | | |
| 7446 Cobas h 232 | 2603 ng/l | 1900 - 3306 | 27 % | 637 | 533 (83.7 %) |
| 7454 Cardiac Reader | 2763 ng/l | 2017 - 3509 | 27 % | 5 | 4 (80.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|----------------------------------|--------------|-----------------|------|--------|--------------|
| K09 Blood Gases Opti CCA | | | | | |
| PCO2 CCA | | | | | |
| 4066 OPTI CCA | 9.19 kPa | 8.09 - 10.29 | 12 % | 13 | 13 (100.0 %) |
| PO2 CCA | | | | | |
| 4166 OPTI CCA | 9.65 kPa | 8.21 - 11.10 | 15 % | 13 | 12 (92.3 %) |
| pH CCA | | | | | |
| 4266 OPTI CCA | 7.16 | 7.10 - 7.23 | 1 % | 13 | 13 (100.0 %) |
| Potassium CCA | | | | | |
| 4549 OPTI CCA | 2.7 mmol/l | 2.5 - 2.9 | 6 % | 5 | 3 (60.0 %) |
| Sodium CCA | | | | | |
| 4649 OPTI CCA | 124.0 mmol/l | 116.6 - 131.4 | 6 % | 4 | 4 (100.0 %) |
| K10 Anemia | | | | | |
| Ferritin | | | | | |
| 7048 Beckman | 125.1 µg/l | 95.15 - 155.24 | 24 % | 14 | 13 (92.9 %) |
| 7052 Cobas E / Elecsys | 144.1 µg/l | 109.57 - 178.77 | 24 % | 10 | 10 (100.0 %) |
| 7053 Architect | 233.0 µg/l | 177.08 - 288.92 | 24 % | 5 | 5 (100.0 %) |
| 7054 Mira/DiaSys | 111.5 µg/l | 84.74 - 138.26 | 24 % | 4 | 4 (100.0 %) |
| 7057 Mini Vidas | 127.0 µg/l | 96.52 - 157.48 | 24 % | 7 | 7 (100.0 %) |
| 7046 AFIAS | 128.2 µg/l | 97.49 - 159.06 | 24 % | 18 | 17 (94.4 %) |
| 7059 Eurolyser | 94.95 µg/l | 72.16 - 117.74 | 24 % | 17 | 15 (88.2 %) |
| Vitamin B12 | | | | | |
| 7061 ADVIA Centaur XP/CP | 354.0 pmol/l | 283.20 - 424.80 | 20 % | 4 | 4 (100.0 %) |
| 7062 Cobas E / Elecsys | 376.7 pmol/l | 301.40 - 452.10 | 20 % | 8 | 8 (100.0 %) |
| 7063 Architect | 355.9 pmol/l | 284.75 - 427.13 | 20 % | 10 | 10 (100.0 %) |
| Folate | | | | | |
| 7072 Cobas E / Elecsys | 12.35 nmol/l | 9.88 - 14.82 | 20 % | 8 | 8 (100.0 %) |
| 7073 Architect | 19.21 nmol/l | 15.37 - 23.06 | 20 % | 10 | 10 (100.0 %) |
| Holotranscobalamine | | | | | |
| 7081 Architect | 128 pmol/l | 90 - 166 | 30 % | 6 | 6 (100.0 %) |
| G09 aPTT CoaguChek Pro II | | | | | |
| CoaguChek APTT | | | | | |
| 3770 CoaguChek Pro II | 46.2 Sek | 34.6 - 57.7 | 25 % | 6 | 6 (100.0 %) |
| K12 Neonatal Bilirubin | | | | | |
| Bilirubin total Neo | | | | | |
| 1050 all Participants | 190 µmol/l | 156 - 224 | 18 % | 16 | 15 (93.8 %) |
| Bilirubin direct | | | | | |
| 1051 all Participants | 90 µmol/l | 74 - 106 | 18 % | 13 | 13 (100.0 %) |
| 1055 Dimension | 72 µmol/l | 59 - 85 | 18 % | 4 | 4 (100.0 %) |
| Bilirubin neonatal | | | | | |
| 1053 all Participants | 249 µmol/l | 204 - 294 | 18 % | 5 | 4 (80.0 %) |
| 1054 ABL700/800 | 215 µmol/l | 176 - 253 | 18 % | 4 | 4 (100.0 %) |

Target values MQ 2017 - 4

| | | Target value | Tolerance | | Nombre | Conform |
|-----------------------------------|-------------------|--------------|-----------------|------|--------|--------------|
| K15 Creatinkinase Activity | | | | | | |
| CK-MB | | | | | | |
| 6504 | Fuji Dri-Chem | 79.8 U/l | 55.8 - 103.7 | 30 % | 37 | 35 (94.6 %) |
| 6507 | Cobas/Roche | 21.2 U/l | 14.8 - 27.5 | 30 % | 4 | 4 (100.0 %) |
| K14 Tumor Markers | | | | | | |
| PSA | | | | | | |
| 6591 | Cobas E / Elecsys | 2.15 µg/l | 1.61 - 2.69 | 25 % | 9 | 9 (100.0 %) |
| 6596 | VIDAS | 2.29 µg/l | 1.72 - 2.86 | 25 % | 4 | 4 (100.0 %) |
| 6598 | Architect | 2.02 µg/l | 1.52 - 2.53 | 25 % | 11 | 11 (100.0 %) |
| 6696 | AFIAS | 2.18 µg/l | 1.64 - 2.73 | 25 % | 14 | 13 (92.9 %) |
| free PSA | | | | | | |
| 6631 | Cobas E / Elecsys | 0.82 µg/l | 0.62 - 1.03 | 25 % | 5 | 5 (100.0 %) |
| 6639 | Architect | 0.82 µg/l | 0.62 - 1.03 | 25 % | 9 | 9 (100.0 %) |
| CEA | | | | | | |
| 6601 | Cobas E / Elecsys | 5.9 µg/l | 4.4 - 7.4 | 25 % | 6 | 6 (100.0 %) |
| 6608 | Architect | 7.8 µg/l | 5.9 - 9.8 | 25 % | 9 | 9 (100.0 %) |
| CA 125 | | | | | | |
| 6618 | Architect | 58.2 kIU/l | 43.7 - 72.8 | 25 % | 5 | 5 (100.0 %) |
| CA 19-9 | | | | | | |
| 6668 | Architect | 99.0 kIU/l | 74.3 - 123.8 | 25 % | 4 | 4 (100.0 %) |
| CA 15-3 | | | | | | |
| 6628 | Architect | 23.6 kIU/l | 17.7 - 29.5 | 25 % | 5 | 5 (100.0 %) |
| AFP | | | | | | |
| 6641 | Cobas E / Elecsys | 34.6 µg/l | 26.0 - 43.3 | 25 % | 4 | 4 (100.0 %) |
| 6648 | Architect | 34.3 µg/l | 25.7 - 42.9 | 25 % | 6 | 6 (100.0 %) |
| HCG qn | | | | | | |
| 6651 | Cobas E / Elecsys | 61.9 U/l | 46.4 - 77.4 | 25 % | 5 | 5 (100.0 %) |
| 6656 | VIDAS | 24.5 U/l | 18.4 - 30.6 | 25 % | 8 | 7 (87.5 %) |
| 6658 | Architect | 54.6 U/l | 41.0 - 68.3 | 25 % | 6 | 6 (100.0 %) |
| 6659 | AFIAS | 76.8 U/l | 57.6 - 96.0 | 25 % | 7 | 7 (100.0 %) |
| K17 BNP/NT-proBNP | | | | | | |
| BNP | | | | | | |
| 7471 | Architect | 423.2 ng/l | 308.9 - 537.4 | 27 % | 6 | 6 (100.0 %) |
| NT-proBNP | | | | | | |
| 7415 | AQT 90 FLEX | 1795. ng/l | 1310.4 - 2279.7 | 27 % | 6 | 6 (100.0 %) |
| 7416 | VIDAS | 782.9 ng/l | 571.5 - 994.2 | 27 % | 10 | 10 (100.0 %) |
| 7467 | Cobas E / Elecsys | 627.1 ng/l | 457.8 - 796.4 | 27 % | 13 | 12 (92.3 %) |
| K19 CardioChek Lipidpanel | | | | | | |
| Cholesterin PTS | | | | | | |
| 1321 | CardioChek | 4.41 mmol/l | 3.97 - 4.85 | 10 % | 10 | 10 (100.0 %) |
| Cholesterin HDL PTS | | | | | | |
| 1421 | CardioChek | 1.37 mmol/l | 1.08 - 1.65 | 21 % | 10 | 10 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|-------------------------------------|--------------|---------------|------|--------|---------------|
| Triglyceride PTS | | | | | |
| 3521 CardioChek | 1.36 mmol/l | 1.09 - 1.64 | 20 % | 10 | 10 (100.0 %) |
| U05 Urine Albumin/Creatinine | | | | | |
| Creatinine U | | | | | |
| 5800 AFIAS | 183.9 mg/l | 128.8 - 239.1 | 30 % | 5 | 5 (100.0 %) |
| 5803 Afinion | 99.5 mg/l | 69.7 - 129.4 | 30 % | 374 | 362 (96.8 %) |
| 5830 NycoCard | 88.0 mg/l | 61.6 - 114.4 | 30 % | 9 | 6 (66.7 %) |
| 5843 Turbidimetry | 102.7 mg/l | 71.9 - 133.5 | 30 % | 21 | 21 (100.0 %) |
| 5852 DCA2000/Vantage | 104.0 mg/l | 72.8 - 135.2 | 30 % | 129 | 127 (98.4 %) |
| 5220 Siemens Clinitek | 80.0 mg/l | 56.0 - 104.0 | 30 % | 11 | 10 (90.9 %) |
| 5880 Eurolyser | 104.2 mg/l | 72.9 - 135.4 | 30 % | 4 | 2 (50.0 %) |
| Creatinin Urin | | | | | |
| 5201 DCA2000/Vantage | 7.4 mmol/l | 5.9 - 9.0 | 21 % | 128 | 125 (97.7 %) |
| 5203 Afinion | 6.8 mmol/l | 5.4 - 8.2 | 21 % | 373 | 368 (98.7 %) |
| 5209 Standard chemistry | 7.1 mmol/l | 5.6 - 8.6 | 21 % | 37 | 37 (100.0 %) |
| 5221 Siemens Clinitek | 8.8 mmol/l | 7.0 - 10.6 | 21 % | 11 | 5 (45.5 %) |
| G11 CoaguChek XS INR | | | | | |
| INR CCXS | | | | | |
| 3685 CoaguChek XS | 2.0 | 1.7 - 2.3 | 15 % | 2172 | 2134 (98.3 %) |
| G12 INR Hemochron Jr. | | | | | |
| INR HC | | | | | |
| 3681 Hemochron j. | 4.0 | 3.4 - 4.6 | 15 % | 10 | 10 (100.0 %) |
| K22 Osmolality | | | | | |
| Osmolality | | | | | |
| 6080 Cryoskopy | 342 mosm/kg | 321 - 362 | 6 % | 14 | 14 (100.0 %) |
| Potassium - K22 | | | | | |
| 6081 ISE | 3.9 mmol/l | 3.7 - 4.1 | 6 % | 9 | 9 (100.0 %) |
| Sodium - K22 | | | | | |
| 6082 ISE | 142 mmol/l | 133 - 151 | 6 % | 9 | 9 (100.0 %) |
| Glucose - K22 | | | | | |
| 6083 Standard chemistry | 7.1 mmol/l | 6.4 - 7.8 | 10 % | 9 | 9 (100.0 %) |
| Urea - K22 | | | | | |
| 6084 Standard chemistry | 4.9 mmol/l | 4.2 - 5.6 | 15 % | 9 | 9 (100.0 %) |
| Osmotic Gap | | | | | |
| 6085 Formel 1 (2Na+K+Glu+ | 44.8 mmol/l | 35.8 - 53.7 | 20 % | 8 | 8 (100.0 %) |
| K20 PCT | | | | | |
| Procalcitonin | | | | | |
| 7280 Cobas | 2.30 µg/l | 1.68 - 2.92 | 27 % | 5 | 5 (100.0 %) |
| 7281 VIDAS | 1.85 µg/l | 1.35 - 2.34 | 27 % | 18 | 18 (100.0 %) |
| 7285 Liason | 5.15 µg/l | 3.76 - 6.54 | 27 % | 6 | 5 (83.3 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|----------------------------|--------------|---------------|------|--------|--------------|
| K21 PTH / Vit. D | | | | | |
| Parathyroid hormone | | | | | |
| 7287 Architect | 4.4 pmol/l | 3.4 - 5.5 | 24 % | 4 | 4 (100.0 %) |
| 7293 Cobas PTH STAT | 3.4 pmol/l | 2.6 - 4.2 | 24 % | 8 | 8 (100.0 %) |
| 25-OH Vitamin D | | | | | |
| 7288 Other methods | 61.2 nmol/l | 44.7 - 77.7 | 27 % | 5 | 3 (60.0 %) |
| 7294 Cobas | 45.9 nmol/l | 33.5 - 58.3 | 27 % | 4 | 4 (100.0 %) |
| 7279 VIDAS | 52.3 nmol/l | 38.2 - 66.4 | 27 % | 5 | 5 (100.0 %) |
| 7296 Architect | 48.0 nmol/l | 35.0 - 60.9 | 27 % | 11 | 11 (100.0 %) |
| K24 Drug Monitoring | | | | | |
| Digoxin | | | | | |
| 9020 Other methods | 1.52 nmol/l | 1.15 - 1.88 | 24 % | 13 | 13 (100.0 %) |
| Phenytoin | | | | | |
| 9018 all Participants | 38 µmol/l | 29 - 48 | 25 % | 4 | 4 (100.0 %) |
| Phenobarbital | | | | | |
| 9017 all Participants | 102 µmol/l | 76 - 127 | 25 % | 4 | 4 (100.0 %) |
| Valproat | | | | | |
| 9021 all Participants | 363.0 µmol/l | 275.9 - 450.1 | 24 % | 6 | 6 (100.0 %) |
| Carbamazepin | | | | | |
| 9022 all Participants | 26.8 µmol/l | 20.3 - 33.2 | 24 % | 4 | 3 (75.0 %) |
| K25 Cystatin C | | | | | |
| Cystatin C | | | | | |
| 7014 all Participants | 3.5 mg/l | 2.6 - 4.3 | 24 % | 10 | 10 (100.0 %) |
| H05 Hematology BG | | | | | |
| Hemoglobin BG | | | | | |
| 4502 iStat | 117.5 g/l | 106.9 - 128.1 | 9 % | 6 | 6 (100.0 %) |
| Hematocrit | | | | | |
| 4503 iStat | 0.35 l/l | 0.32 - 0.38 | 9 % | 7 | 7 (100.0 %) |
| 4858 EPOC | 0.35 l/l | 0.32 - 0.38 | 9 % | 4 | 4 (100.0 %) |
| K28 Ethyl alcohol | | | | | |
| Ethanol | | | | | |
| 7191 all Participants | 1.8 mmol/l | 0.0 - 3.8 | 18 % | 14 | 14 (100.0 %) |
| Ammonia | | | | | |
| 7195 all Participants | 26.0 µmol/l | 19.5 - 32.5 | 25 % | 5 | 4 (80.0 %) |
| K29 Calprotectin | | | | | |
| Calprotectin | | | | | |
| 7188 Other methods | 108 µg/g | 65 - 151 | 40 % | 4 | 4 (100.0 %) |
| 7190 Bühlmann | 94 µg/g | 57 - 132 | 40 % | 13 | 13 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Nombre | Conform |
|----------------------------------|--------------|-------------------|------|--------|--------------|
| K30 Lipids Af / b101 | | | | | |
| Cholesterol total Af/b101 | | | | | |
| 1302 Cobas b101 | 3.51 mmol/l | 3.16 - 3.87 | 10 % | 57 | 57 (100.0 %) |
| 1301 Afinion | 3.68 mmol/l | 3.31 - 4.05 | 10 % | 341 | 339 (99.4 %) |
| Cholesterol HDL Af/b101 | | | | | |
| 1402 Cobas b101 | 0.74 mmol/l | 0.58 - 0.89 | 21 % | 57 | 51 (89.5 %) |
| 1401 Afinion | 0.80 mmol/l | 0.63 - 0.97 | 21 % | 340 | 326 (95.9 %) |
| Tryglicerides Af/b101 | | | | | |
| 3502 Cobas b101 | 1.31 mmol/l | 1.04 - 1.57 | 20 % | 55 | 54 (98.2 %) |
| 3501 Afinion | 1.19 mmol/l | 0.95 - 1.42 | 20 % | 341 | 338 (99.1 %) |
| K31 IB10/AFIAS | | | | | |
| Troponin I S | | | | | |
| 7434 Samsung LABGEO IB10 | 2443. ng/l | 1857.39 - 3030.47 | 24 % | 43 | 40 (93.0 %) |
| 7431 AFIAS | 9576. ng/l | 7277.76 - 11874.2 | 24 % | 34 | 28 (82.4 %) |
| D-dimer qn S | | | | | |
| 7436 Samsung LABGEO IB10 | 0.91 mg/l | 0.72 - 1.10 | 21 % | 55 | 51 (92.7 %) |
| 7428 AFIAS | 1.32 mg/l | 1.04 - 1.60 | 21 % | 36 | 36 (100.0 %) |
| NT-pro BNP S | | | | | |
| 7432 Samsung LABGEO IB10 | 319.1 ng/l | 232.9 - 405.3 | 27 % | 35 | 32 (91.4 %) |
| 7427 AFIAS | 331.3 ng/l | 241.9 - 420.8 | 27 % | 27 | 16 (59.3 %) |
| G14 MicroINR | | | | | |
| INR MI | | | | | |
| 3677 MicroINR | 2.1 | 1.8 - 2.5 | 15 % | 98 | 84 (85.7 %) |
| K32 Homocystein | | | | | |
| Homocystein | | | | | |
| 8210 all Participants | 18.5 µmol/l | 13.0 - 24.1 | 30 % | 7 | 7 (100.0 %) |
| K34 Klinische Chemie 2 | | | | | |
| Lipase | | | | | |
| 6494 Autolyser/DiaSys | 54.5 U/l | 44.7 - 64.3 | 18 % | 4 | 3 (75.0 %) |
| 6499 Architect | 45.5 U/l | 37.3 - 53.7 | 18 % | 4 | 4 (100.0 %) |
| 6500 Beckman | 45.9 U/l | 37.6 - 54.1 | 18 % | 12 | 12 (100.0 %) |
| 6501 Cobas | 43.0 U/l | 35.3 - 50.7 | 18 % | 9 | 9 (100.0 %) |
| 6503 Fuji Dri-Chem | 54.4 U/l | 44.6 - 64.2 | 18 % | 103 | 101 (98.1 %) |
| G16 INR Xprecia Stride | | | | | |
| INR Xprecia | | | | | |
| 3688 Xprecia | 1.2 | 1.0 - 1.4 | 15 % | 56 | 54 (96.4 %) |

Target values MQ 2017 - 4

| | | Target value | Tolerance | | Nombre | Conform |
|--------------------------------------|------------|--------------|---------------|------|--------|--------------|
| H06 Blutbild, Automat, 5-Part | | | | | | |
| Hemoglobin | | | | | | |
| 105 | Sysmex | 125.6 g/l | 114.3 - 136.9 | 9 % | 45 | 45 (100.0 %) |
| 120 | Advia | 127.0 g/l | 115.6 - 138.4 | 9 % | 9 | 9 (100.0 %) |
| 150 | ABX Pentra | 125.3 g/l | 114.0 - 136.6 | 9 % | 7 | 7 (100.0 %) |
| Hematocrit | | | | | | |
| 106 | Sysmex | 0.37 l/l | 0.34 - 0.41 | 9 % | 45 | 44 (97.8 %) |
| 121 | Advia | 0.38 l/l | 0.35 - 0.41 | 9 % | 9 | 9 (100.0 %) |
| 151 | ABX Pentra | 0.37 l/l | 0.34 - 0.41 | 9 % | 7 | 7 (100.0 %) |
| Erythrocytes | | | | | | |
| 107 | Sysmex | 4.18 T/l | 3.13 - 5.22 | 25 % | 45 | 45 (100.0 %) |
| 122 | Advia | 4.19 T/l | 3.14 - 5.24 | 25 % | 9 | 9 (100.0 %) |
| 152 | ABX Pentra | 4.11 T/l | 3.08 - 5.14 | 25 % | 7 | 7 (100.0 %) |
| Leucocytes | | | | | | |
| 108 | Sysmex | 3.99 G/l | 2.99 - 4.99 | 25 % | 45 | 45 (100.0 %) |
| 123 | Advia | 3.77 G/l | 2.83 - 4.71 | 25 % | 9 | 9 (100.0 %) |
| 153 | ABX Pentra | 3.70 G/l | 2.78 - 4.63 | 25 % | 7 | 7 (100.0 %) |
| Thrombocytes | | | | | | |
| 109 | Sysmex | 131.7 G/l | 98.8 - 164.6 | 25 % | 45 | 44 (97.8 %) |
| 124 | Advia | 131.0 G/l | 98.3 - 163.8 | 25 % | 9 | 9 (100.0 %) |
| 154 | ABX Pentra | 134.0 G/l | 100.5 - 167.5 | 25 % | 7 | 7 (100.0 %) |
| Neutrophils | | | | | | |
| 110 | Sysmex | 2.36 G/l | 1.77 - 2.95 | 25 % | 45 | 45 (100.0 %) |
| 125 | Advia | 2.28 G/l | 1.71 - 2.85 | 25 % | 9 | 9 (100.0 %) |
| 155 | ABX Pentra | 2.01 G/l | 1.51 - 2.51 | 25 % | 7 | 6 (85.7 %) |
| Lymphocytes | | | | | | |
| 111 | Sysmex | 1.30 G/l | 0.98 - 1.63 | 25 % | 45 | 45 (100.0 %) |
| 126 | Advia | 1.25 G/l | 0.94 - 1.56 | 25 % | 9 | 9 (100.0 %) |
| 156 | ABX Pentra | 1.52 G/l | 1.14 - 1.90 | 25 % | 7 | 6 (85.7 %) |
| Monocytes | | | | | | |
| 112 | Sysmex | 0.25 G/l | 0.12 - 0.37 | 25 % | 45 | 45 (100.0 %) |
| 127 | Advia | 0.24 G/l | 0.12 - 0.36 | 25 % | 9 | 9 (100.0 %) |
| 157 | ABX Pentra | 0.21 G/l | 0.11 - 0.32 | 25 % | 7 | 7 (100.0 %) |
| Eosinophils | | | | | | |
| 113 | Sysmex | 0.04 G/l | 0.01 - 0.07 | 50 % | 45 | 45 (100.0 %) |
| 128 | Advia | 0.04 G/l | 0.01 - 0.07 | 50 % | 9 | 8 (88.9 %) |
| 158 | ABX Pentra | 0.06 G/l | 0.01 - 0.11 | 50 % | 6 | 6 (100.0 %) |
| Basophiles | | | | | | |
| 114 | Sysmex | 0.05 G/l | 0.01 - 0.09 | 80 % | 45 | 43 (95.6 %) |
| 129 | Advia | 0.02 G/l | 0.00 - 0.04 | 80 % | 9 | 9 (100.0 %) |
| 159 | ABX Pentra | 0.03 G/l | 0.01 - 0.05 | 80 % | 7 | 7 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Numbre | Conform |
|--|--------------|---------------|------|--------|--------------|
| H07 Retikulozyten, Automat | | | | | |
| Reticulocytes | | | | | |
| 115 Sysmex | 70.5 G/l | 42.3 - 98.7 | 25 % | 22 | 21 (95.5 %) |
| 130 Advia | 63.4 G/l | 38.0 - 88.8 | 25 % | 7 | 7 (100.0 %) |
| H08 Hämolyseindex | | | | | |
| Hämolyseindex Probe A | | | | | |
| 2940 Cobas | 162.1 | 137.8 - 186.4 | 15 % | 15 | 15 (100.0 %) |
| Hämolyseindex Probe B | | | | | |
| 2941 Cobas | 32.6 | 27.7 - 37.5 | 15 % | 15 | 15 (100.0 %) |
| H10 Blutsenkung | | | | | |
| Erythrocyte sedimentation rate 1h | | | | | |
| 390 Sarstedt Sedivette | 65 mm/h | 45 - 84 | 30 % | 8 | 8 (100.0 %) |
| 392 BD Seditainer | 70 mm/h | 49 - 91 | 30 % | 9 | 9 (100.0 %) |
| 393 Other methods | 66 mm/h | 46 - 86 | 30 % | 5 | 4 (80.0 %) |
| K37 Immunsuppressiva | | | | | |
| Tacrolimus | | | | | |
| 9127 all Participants | 13.1 µg/l | 9.7 - 16.5 | 25 % | 4 | 4 (100.0 %) |
| K38 Serum protein electrophoresis | | | | | |
| Totalprotein E | | | | | |
| 7900 all Participants | 87.4 g/l | 75.1 - 99.6 | 14 % | 4 | 4 (100.0 %) |
| Albumin E | | | | | |
| 7901 Elektrophorese | 49.2 % | 42.3 - 56.1 | 14 % | 6 | 6 (100.0 %) |
| alpha-1-Globuline | | | | | |
| 7902 Elektrophorese | 2.5 % | 1.7 - 3.2 | 30 % | 4 | 4 (100.0 %) |
| alpha-2-Globuline | | | | | |
| 7903 Elektrophorese | 8.8 % | 6.1 - 11.4 | 30 % | 6 | 6 (100.0 %) |
| beta-Globuline | | | | | |
| 7904 Elektrophorese | 9.3 % | 6.5 - 12.0 | 30 % | 6 | 5 (83.3 %) |
| gamma-Globuline | | | | | |
| 7905 Elektrophorese | 30.0 % | 20.4 - 39.6 | 32 % | 5 | 5 (100.0 %) |
| Paraprotein | | | | | |
| 7906 Elektrophorese | 25.7 % | 18.0 - 33.4 | 30 % | 4 | 4 (100.0 %) |
| K39 Folat im Ec | | | | | |
| Folate in Erythrocytes | | | | | |
| 7093 Architect | 515 nmol/l | 386 - 644 | 25 % | 7 | 7 (100.0 %) |
| K40 Gallensäure | | | | | |
| Gallensäure | | | | | |
| 3540 all Participants | 10 µmol/l | 5 - 14 | 30 % | 5 | 5 (100.0 %) |

Target values MQ 2017 - 4

| | Target value | Tolerance | | Numbre | Conform |
|---------------------------------------|--------------|-----------------|------|--------|--------------|
| K41 Herzinfarkt Marker, Triage | | | | | |
| BNP | | | | | |
| 7460 Triage | 178.0 ng/l | 130.0 - 226.1 | 27 % | 40 | 35 (87.5 %) |
| Troponin Triage | | | | | |
| 8197 Triage Next Gen | 520.0 ng/l | 395.20 - 644.80 | 24 % | 29 | 16 (55.2 %) |
| 8190 Triage SOB/Cardiac | 750.5 ng/l | 570.42 - 930.69 | 24 % | 26 | 16 (61.5 %) |
| NT-Pro-BNP | | | | | |
| 7414 Triage | 415 ng/l | 303 - 527 | 27 % | 18 | 16 (88.9 %) |
| D-dimer Triage | | | | | |
| 8191 Triage | 822.6 ng/ml | 649.92 - 995.45 | 21 % | 54 | 54 (100.0 %) |
| CK-MB Triage | | | | | |
| 8192 Triage | 7.5 µg/l | 4.5 - 10.5 | 40 % | 21 | 20 (95.2 %) |
| Myoglobin Triage | | | | | |
| 8193 Triage | 129.2 µg/l | 90.4 - 168.0 | 30 % | 18 | 16 (88.9 %) |