

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

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|------------------------|-----------------------------|------------------------|
| CAT. NO. IA3111 | GTIN: 05055273207279 | SIZE: 12 x 5 ml |
| CAT. NO. IA3112 | GTIN: 05055273207286 | SIZE: 4 x 5 ml |
| LOT NO. 2681EC | EXPIRY: 2028-08-28 | |

INTENDED USE

This product is intended for in vitro diagnostic use, as assayed quality control material to monitor the accuracy and reproducibility of analytes listed in the package insert.

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

For *in vitro* diagnostic use only. Do not pipette by mouth. Exercise the normal precautions required for handling laboratory reagents.

Human source material, from which this product has been derived, has been tested at donor level for the Human Immunodeficiency Virus (HIV 1, HIV 2) antibody, Hepatitis B Surface Antigen (HbsAg), and Hepatitis C Virus (HCV) antibody and found to be NON-REACTIVE. FDA approved methods have been used to conduct these tests.

However, since no method can offer complete assurance as to the absence of infectious agents, this material and all patient samples should be handled as though capable of transmitting infectious diseases and disposed of accordingly.

The Abbott Architect CA19-9 assay utilises an antibody/antigen system based on the 1116-NA-19-9 antibody. There are reports that the formulation employed with this system may return elevated concentrations, when compared to other methods for samples expressing high levels of 1116-NA-19-9 reactive determinants.

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

OPENED: Store refrigerated (+2°C to +8°C). Reconstituted serum is stable for 7 days at +2°C to +8°C, if kept capped in original container and free from contamination, or 4 weeks frozen once at -20°C. C-Peptide is stable for 1 day at +2°C to +8°C. Thyroglobulin should be tested within 4 hours of reconstitution when stored at +2°C to +8°C, or within 2 weeks when stored at -20°C.

ACTH should be tested immediately after the 30-minute reconstitution period. No frozen stability claim is made for ACTH, Aldosterone and C-Peptide. Only the required amount of product should be removed. After use, any residual product should NOT BE RETURNED to the original vial.

UNOPENED: Store refrigerated (+2°C to +8°C). Stable to expiration date printed on individual vials.

Bacterial contamination of the reconstituted serum will cause reductions in the stability of many components. If bacterial contamination is suspected, the vial should be discarded and a fresh vial reconstituted.

PREPARATION

Immunoassay Premium Plus is supplied lyophilised.

- Carefully reconstitute each vial of lyophilised serum with exactly 5 ml of distilled water at +15°C to +25°C. Close the bottle and allow to stand for 30 minutes before use. Ensure contents are completely dissolved by swirling gently. Avoid formation of foam. Do not shake.
- Refer to the Control section of the individual analyser application.
- Refrigerate any unused material. Prior to reuse, mix contents thoroughly.

MATERIALS PROVIDED

Immunoassay Premium Plus - Level 3: 12 x 5 ml Tri-Level: 4 x 5 ml

MATERIAL REQUIRED BUT NOT PROVIDED

Volumetric pipette

VALUE ASSIGNMENT

Each batch of Immunoassay Premium Plus is submitted to a number of external laboratories. Values are assigned from a consensus of results obtained by these laboratories, using a unique statistical analysis. Average values should normally fall within the listed ranges for analytes in the instruments specified in this product insert. However, variations may be caused by instrument reagents and laboratory technique. Therefore, the range produced herein should only be considered as a reference and it is recommended that each laboratory establish its own mean and acceptable ranges. Parathyroid Hormone (PTH) is present in the control, but no claim is made for the expected value or stability of this analyte.

If a method is unavailable, contact Randox Laboratories - Technical Services, Northern Ireland, tel: +44 (0) 28 9445 1070 or email Technical.Services@randox.com.

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| EC | REP |
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Randox Teoranta, Meenmore,
Dungloe, Donegal,
F94 TV06, Ireland

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| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|---------------|--|------|------|------|-------------------------------------|-------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| 25-OH-Vitamin D | ng/ml | 39.9 | 29.9 | 49.9 | 5.00 | 10.0 | Abbott Alinity i |
| | nmol/l | 99.7 | 74.8 | 125 | 12.7 | 25.3 | |
| | ng/ml | 38.9 | 29.2 | 48.6 | 4.85 | 9.70 | Abbott Architect (3L52) |
| | nmol/l | 97.1 | 72.8 | 121 | 12.0 | 23.9 | |
| | ng/ml | 40.1 | 30.1 | 50.1 | 5.00 | 10.0 | Abbott Architect (5P02) |
| | nmol/l | 100 | 75.0 | 125 | 12.5 | 25.0 | |
| | ng/ml | 38.9 | 29.2 | 48.6 | 4.85 | 9.70 | Beckman Dxl 600/800 |
| | nmol/l | 97.2 | 72.9 | 122 | 12.4 | 24.8 | |
| | ng/ml | 38.3 | 28.7 | 47.9 | 4.80 | 9.60 | bioMerieux Vidas/mini Vidas/Vidas 3 |
| | nmol/l | 95.7 | 71.8 | 120 | 12.2 | 24.3 | |
| | ng/ml | 44.1 | 33.1 | 55.1 | 5.50 | 11.0 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | nmol/l | 110 | 82.5 | 138 | 14.0 | 28.0 | |
| ng/ml | 34.7 | 26.0 | 43.4 | 4.35 | 8.70 | Roche Vitamin D total III | |
| nmol/l | 86.6 | 65.0 | 108 | 10.7 | 21.4 | | |
| ng/ml | 35.9 | 26.9 | 44.9 | 4.50 | 9.00 | Roche Vitamin D Total III e402/e801 | |
| nmol/l | 89.5 | 67.1 | 112 | 11.3 | 22.5 | | |
| ng/ml | 53.7 | 40.3 | 67.1 | 6.70 | 13.4 | Siemens Atellica IM | |
| nmol/l | 134 | 101 | 167 | 16.5 | 33.0 | | |
| ACTH | pg/ml | 134 | 101 | 167 | 16.5 | 33.0 | DiaSorin Liaison XL |
| | pmol/l | 29.5 | 22.1 | 36.9 | 3.70 | 7.40 | |
| | pg/ml | 80.9 | 60.7 | 101 | 10.1 | 20.1 | Roche Cobas e402/e801 |
| | pmol/l | 17.8 | 13.4 | 22.2 | 2.20 | 4.40 | |
| pg/ml | 79.1 | 59.3 | 98.9 | 9.90 | 19.8 | Roche Cobas e601/ 602 | |
| pmol/l | 17.4 | 13.1 | 21.7 | 2.15 | 4.30 | | |
| pg/ml | 91.4 | 68.6 | 114 | 11.3 | 22.6 | Siemens/DPC Immulite 2000/2500 | |
| pmol/l | 20.1 | 15.1 | 25.1 | 2.50 | 5.00 | | |
| Aldosterone | pg/ml | 263 | 197 | 329 | 33.0 | 66.0 | DiaSorin Liaison XL |
| | pmol/l | 729 | 547 | 911 | 91.0 | 182 | |
| | pg/ml | 262 | 197 | 327 | 32.5 | 65.0 | IDS iSYS |
| | pmol/l | 727 | 545 | 909 | 91.0 | 182 | |
| Alpha-fetoprotein | ng/ml | 208 | 166 | 250 | 21.0 | 42.0 | 3HB-GGG Start |
| | KIU/l = IU/ml | 172 | 138 | 206 | 17.0 | 34.0 | |
| | ng/ml | 203 | 162 | 244 | 20.5 | 41.0 | Abbott Alinity i |
| | KIU/l = IU/ml | 168 | 134 | 202 | 17.0 | 34.0 | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|---------------|--|------|------|-------|-----------------------|------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Alpha-fetoprotein | ng/ml | 232 | 186 | 278 | 23.0 | 46.0 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | KIU/l = IU/ml | 192 | 154 | 230 | 19.0 | 38.0 | |
| | ng/ml | 219 | 175 | 263 | 22.0 | 44.0 | Roche Cobas 4000/e411 |
| | KIU/l = IU/ml | 181 | 145 | 217 | 18.0 | 36.0 | |
| | ng/ml | 225 | 180 | 270 | 22.5 | 45.0 | Roche Cobas e402/e801 |
| | KIU/l = IU/ml | 186 | 149 | 223 | 18.5 | 37.0 | |
| ng/ml | 217 | 174 | 260 | 21.5 | 43.0 | Roche Cobas e601/ 602 | |
| KIU/l = IU/ml | 179 | 143 | 215 | 18.0 | 36.0 | | |
| Androstenedione | ng/ml | 8.06 | 6.05 | 10.1 | 1.02 | 2.04 | Roche Elecsys |
| | nmol/l | 28.1 | 21.1 | 35.1 | 3.50 | 7.00 | |
| Beta-2-Microglobulin | µg/ml = mg/l | 5.68 | 4.54 | 6.82 | 0.570 | 1.14 | Roche Cobas 6000/8000 |
| | µg/ml = mg/l | 5.29 | 4.23 | 6.35 | 0.530 | 1.06 | |
| C-Peptide | ng/ml | 6.34 | 4.76 | 7.92 | 0.790 | 1.58 | Roche Cobas e402/e801 |
| | nmol/l | 2.10 | 1.58 | 2.62 | 0.260 | 0.520 | |
| CA 125 | U/ml | 278 | 222 | 334 | 28.0 | 56.0 | Abbott Alinity |
| | U/ml | 278 | 222 | 334 | 28.0 | 56.0 | Abbott Architect |
| | U/ml | 188 | 150 | 226 | 19.0 | 38.0 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | U/ml | 187 | 150 | 224 | 18.5 | 37.0 | Roche Cobas 4000/e411 |
| | U/ml | 176 | 141 | 211 | 17.5 | 35.0 | Roche Cobas e402/e801 |
| | U/ml | 187 | 150 | 224 | 18.5 | 37.0 | Roche Cobas e601/ 602 |
| | U/ml | 239 | 191 | 287 | 24.0 | 48.0 | Siemens Atellica IM |
| CA 15-3 | U/ml | 76.1 | 60.9 | 91.3 | 7.60 | 15.2 | Abbott Alinity i |
| | U/ml | 81.6 | 65.3 | 97.9 | 8.15 | 16.3 | Abbott Architect |

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|--|-----------------|--|------|------|------|------|------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| CA 15-3 | U/ml | 73.3 | 58.6 | 88.0 | 7.35 | 14.7 | Roche Cobas 4000/e411 |
| | U/ml | 71.6 | 57.3 | 85.9 | 7.15 | 14.3 | Roche Cobas e402/e801 |
| | U/ml | 71.3 | 57.0 | 85.6 | 7.15 | 14.3 | Roche Cobas e601/ 602 |
| | U/ml | 69.6 | 55.7 | 83.5 | 6.95 | 13.9 | Siemens Atellica IM |
| CA 19-9 | U/ml | 370 | 296 | 444 | 37.0 | 74.0 | Abbott Alinity XR |
| | U/ml | 340 | 272 | 408 | 34.0 | 68.0 | Abbott Architect XR |
| | U/ml | 151 | 121 | 181 | 15.0 | 30.0 | bioMerieux, VIDAS |
| | U/ml | 249 | 199 | 299 | 25.0 | 50.0 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | U/ml | 159 | 127 | 191 | 16.0 | 32.0 | Roche Cobas 4000/e411 |
| | U/ml | 169 | 135 | 203 | 17.0 | 34.0 | Roche Cobas e402/e801 |
| | U/ml | 171 | 137 | 205 | 17.0 | 34.0 | Roche Cobas e601/ 602 |
| | U/ml | 217 | 174 | 260 | 21.5 | 43.0 | Siemens Atellica IM |
| Carbamazepine | µg/ml | 17.4 | 13.9 | 20.9 | 1.75 | 3.50 | Abbott Architect (CMIA) |
| | µmol/l | 73.6 | 58.9 | 88.3 | 7.35 | 14.7 | |
| | µg/ml | 16.5 | 13.2 | 19.8 | 1.65 | 3.30 | Roche Cobas 6000/8000 |
| | µmol/l | 69.9 | 55.9 | 83.9 | 7.00 | 14.0 | |
| CEA | ng/ml = µg/l | 63.2 | 50.6 | 75.8 | 6.30 | 12.6 | Abbott Alinity i |
| | ng/ml = µg/l | 64.2 | 51.4 | 77.0 | 6.40 | 12.8 | Abbott Architect |
| | ng/ml = µg/l | 62.4 | 49.9 | 74.9 | 6.25 | 12.5 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | ng/ml = µg/l | 50.7 | 40.6 | 60.8 | 5.05 | 10.1 | Roche Cobas 4000/e411 |
| | ng/ml = µg/l | 49.0 | 39.2 | 58.8 | 4.90 | 9.80 | Roche Cobas e402/e801 |
| | ng/ml = µg/l | 48.8 | 39.0 | 58.6 | 4.90 | 9.80 | Roche Cobas e601/ 602 |
| | ng/ml = µg/l | 61.7 | 49.4 | 74.0 | 6.15 | 12.3 | Siemens Atellica IM |
| Cortisol | nmol/l | 744 | 558 | 930 | 93.0 | 186 | Abbott Alinity i |
| | µg/dl | 26.8 | 20.1 | 33.5 | 3.35 | 6.70 | |
| | nmol/l | 733 | 550 | 916 | 91.5 | 183 | Abbott Architect |
| | µg/dl | 26.4 | 19.8 | 33.0 | 3.30 | 6.60 | |
| | nmol/l | 818 | 614 | 1022 | 102 | 204 | Beckman Dxl 600/800 |
| | µg/dl | 29.4 | 22.1 | 36.7 | 3.65 | 7.30 | |
| | nmol/l | 790 | 593 | 987 | 98.5 | 197 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | µg/dl | 28.4 | 21.3 | 35.5 | 3.55 | 7.10 | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|-----------------|--|------|------|-------|-------|--------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Cortisol | nmol/l | 849 | 637 | 1061 | 106 | 212 | Roche Cobas 4000/e411 |
| | µg/dl | 30.6 | 23.0 | 38.2 | 3.80 | 7.60 | |
| | nmol/l | 814 | 611 | 1017 | 102 | 203 | Roche Cobas e402/e801 |
| | µg/dl | 29.3 | 22.0 | 36.6 | 3.65 | 7.30 | |
| | nmol/l | 830 | 623 | 1037 | 104 | 207 | Roche Cobas e402/e801 Gen II |
| | µg/dl | 29.9 | 22.4 | 37.4 | 3.75 | 7.50 | |
| | nmol/l | 825 | 619 | 1031 | 103 | 206 | Roche Cobas e601/ 602 |
| | µg/dl | 29.7 | 22.3 | 37.1 | 3.70 | 7.40 | |
| DHEA-S | nmol/l | 849 | 637 | 1061 | 106 | 212 | Roche Cobas e601/602 Gen II |
| | µg/dl | 30.6 | 23.0 | 38.2 | 3.80 | 7.60 | |
| | nmol/l | 919 | 689 | 1149 | 115 | 230 | Siemens Atellica IM |
| | µg/dl | 33.1 | 24.8 | 41.4 | 4.15 | 8.30 | |
| | nmol/l | 704 | 528 | 880 | 88.0 | 176 | Siemens/DPC Immulite 2000/2500 |
| | µg/dl | 25.3 | 19.0 | 31.6 | 3.15 | 6.30 | |
| | µmol/l | 21.4 | 17.1 | 25.7 | 2.15 | 4.30 | Abbott Alinity i |
| | µmol/l | 22.1 | 17.7 | 26.5 | 2.20 | 4.40 | Abbott Architect |
| Digoxin | µmol/l | 26.0 | 20.8 | 31.2 | 2.60 | 5.20 | Roche Cobas 4000/e411 |
| | µmol/l | 25.0 | 20.0 | 30.0 | 2.50 | 5.00 | Roche Cobas e402/e801 |
| | µmol/l | 24.2 | 19.4 | 29.0 | 2.40 | 4.80 | Roche Cobas e601/ 602 |
| | µmol/l | 17.9 | 14.3 | 21.5 | 1.80 | 3.60 | Siemens/DPC Immulite 2000/2500 |
| | ng/ml | 3.50 | 2.80 | 4.20 | 0.350 | 0.700 | Roche Cobas e402/e801 |
| | nmol/l | 4.48 | 3.58 | 5.38 | 0.450 | 0.900 | |
| Ferritin | ng/ml = µg/l | 321 | 257 | 385 | 32.0 | 64.0 | Abbott Architect Chemilum |
| | ng/ml = µg/l | 176 | 141 | 211 | 17.5 | 35.0 | Beckman Dxl 600/800 |
| | ng/ml = µg/l | 236 | 189 | 283 | 23.5 | 47.0 | bioMerieux, VIDAS |
| | ng/ml = µg/l | 168 | 134 | 202 | 17.0 | 34.0 | Ortho Vitros 3600/5600/ECi/XT/7600 |
| | ng/ml = µg/l | 250 | 200 | 300 | 25.0 | 50.0 | Roche Cobas C303/501/502/503/701/702 |
| | ng/ml = µg/l | 284 | 227 | 341 | 28.5 | 57.0 | Roche Cobas e402/e801 |
| | ng/ml = µg/l | 313 | 250 | 376 | 31.5 | 63.0 | Roche Elecsys / Cobas e411 |
| | ng/ml = µg/l | 287 | 230 | 344 | 28.5 | 57.0 | Roche Modular E170 /Cobas e601/602 |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|-----------------|--|-------|-------|-------|------------------------------------|------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Ferritin | ng/ml = µg/l | 201 | 161 | 241 | 20.0 | 40.0 | Siemens Atellica IM |
| | ng/ml = µg/l | 216 | 173 | 259 | 21.5 | 43.0 | Siemens Centaur |
| Folate | ng/ml | 9.53 | 7.24 | 11.8 | 1.14 | 2.27 | Abbott Alinity i |
| | nmol/l | 21.6 | 16.4 | 26.8 | 2.60 | 5.20 | |
| | ng/ml | 8.91 | 6.77 | 11.1 | 1.10 | 2.19 | Abbott Architect |
| | nmol/l | 20.2 | 15.4 | 25.0 | 2.40 | 4.80 | |
| | ng/ml | 10.8 | 8.21 | 13.4 | 1.30 | 2.60 | Beckman Dxl 600/800 - A98032 |
| | nmol/l | 24.5 | 18.6 | 30.4 | 2.95 | 5.90 | |
| | ng/ml | 6.26 | 4.76 | 7.76 | 0.750 | 1.50 | Ortho Vitros 3600/5600/ECi/XT/7600 |
| | nmol/l | 14.2 | 10.8 | 17.6 | 1.70 | 3.40 | |
| | ng/ml | 10.8 | 8.21 | 13.4 | 1.30 | 2.60 | Roche e402/e801 |
| | nmol/l | 24.4 | 18.5 | 30.3 | 2.95 | 5.90 | |
| | ng/ml | 17.6 | 13.4 | 21.8 | 2.10 | 4.20 | Siemens Atellica IM |
| | nmol/l | 39.8 | 30.2 | 49.4 | 4.80 | 9.60 | |
| | ng/ml | 7.06 | 5.37 | 8.75 | 0.845 | 1.69 | Siemens/DPC Immulite 2000 |
| | nmol/l | 16.0 | 12.2 | 19.8 | 1.90 | 3.80 | |
| Free T3 | ng/dl | 1.50 | 1.13 | 1.87 | 0.185 | 0.370 | Abbott Alinity, 2 point cal |
| | pg/ml | 15.0 | 11.3 | 18.7 | 1.85 | 3.70 | |
| | pmol/l | 23.1 | 17.3 | 28.9 | 2.90 | 5.80 | |
| | ng/dl | 1.48 | 1.11 | 1.85 | 0.185 | 0.370 | Abbott Alinity, 6 point cal |
| | pg/ml | 14.8 | 11.1 | 18.5 | 1.85 | 3.70 | |
| | pmol/l | 22.7 | 17.0 | 28.4 | 2.85 | 5.70 | |
| | ng/dl | 1.51 | 1.13 | 1.89 | 0.190 | 0.380 | Abbott Architect, 2 point cal |
| | pg/ml | 15.2 | 11.4 | 19.0 | 1.90 | 3.80 | |
| | pmol/l | 23.3 | 17.5 | 29.1 | 2.90 | 5.80 | |
| | ng/dl | 1.41 | 1.06 | 1.76 | 0.175 | 0.350 | Abbott Architect, 6 point cal |
| | pg/ml | 14.1 | 10.6 | 17.6 | 1.75 | 3.50 | |
| | pmol/l | 21.7 | 16.3 | 27.1 | 2.70 | 5.40 | |
| | ng/dl | 1.20 | 0.900 | 1.50 | 0.150 | 0.300 | Beckman Access/LXi725 |
| | pg/ml | 12.0 | 9.00 | 15.0 | 1.50 | 3.00 | |
| | pmol/l | 18.5 | 13.9 | 23.1 | 2.30 | 4.60 | |
| | ng/dl | 0.949 | 0.712 | 1.19 | 0.121 | 0.241 | Beckman Dxl 600/800 |
| | pg/ml | 9.50 | 7.13 | 11.9 | 1.20 | 2.40 | |
| | pmol/l | 14.6 | 11.0 | 18.2 | 1.80 | 3.60 | |
| ng/dl | 2.28 | 1.71 | 2.85 | 0.285 | 0.570 | Ortho Vitros 3600/5600/ECi/XT 7600 | |
| pg/ml | 22.8 | 17.1 | 28.5 | 2.85 | 5.70 | | |
| pmol/l | 35.0 | 26.3 | 43.7 | 4.35 | 8.70 | | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | | |
|--|--------|--|------|-------|-------|---------------------|------------------------------------|------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method | |
| Free T3 | ng/dl | 1.61 | 1.21 | 2.01 | 0.200 | 0.400 | Roche Cobas 4000/e411 | |
| | pg/ml | 16.1 | 12.1 | 20.1 | 2.00 | 4.00 | | |
| | pmol/l | 24.8 | 18.6 | 31.0 | 3.10 | 6.20 | | |
| | ng/dl | 1.58 | 1.19 | 1.97 | 0.195 | 0.390 | Roche Cobas e402/e801 | |
| | | pg/ml | 15.8 | 11.9 | 19.7 | 1.95 | | 3.90 |
| | | pmol/l | 24.3 | 18.2 | 30.4 | 3.05 | | 6.10 |
| | ng/dl | 1.64 | 1.23 | 2.05 | 0.205 | 0.410 | Roche Cobas e601/ 602 | |
| | | pg/ml | 16.4 | 12.3 | 20.5 | 2.05 | | 4.10 |
| | | pmol/l | 25.2 | 18.9 | 31.5 | 3.15 | | 6.30 |
| | ng/dl | 1.36 | 1.02 | 1.70 | 0.170 | 0.340 | Siemens Atellica IM | |
| | | pg/ml | 13.6 | 10.2 | 17.0 | 1.70 | | 3.40 |
| | | pmol/l | 20.9 | 15.7 | 26.1 | 2.60 | | 5.20 |
| Free T4 | ng/dl | 3.02 | 2.27 | 3.77 | 0.375 | 0.750 | Abbott Alinity i | |
| | pg/ml | 30.2 | 22.7 | 37.7 | 3.75 | 7.50 | | |
| | pmol/l | 38.7 | 29.0 | 48.4 | 4.85 | 9.70 | | |
| | ng/dl | 3.17 | 2.38 | 3.96 | 0.395 | 0.790 | Abbott Architect | |
| | | pg/ml | 31.7 | 23.8 | 39.6 | 3.95 | | 7.90 |
| | | pmol/l | 40.6 | 30.5 | 50.7 | 5.05 | | 10.1 |
| | ng/dl | 3.32 | 2.49 | 4.15 | 0.415 | 0.830 | Beckman Access/LXi725 | |
| | | pg/ml | 33.2 | 24.9 | 41.5 | 4.15 | | 8.30 |
| | | pmol/l | 42.6 | 32.0 | 53.2 | 5.30 | | 10.6 |
| | ng/dl | 3.71 | 2.78 | 4.64 | 0.465 | 0.930 | Beckman Dxl 600/800 | |
| | | pg/ml | 37.1 | 27.8 | 46.4 | 4.65 | | 9.30 |
| | | pmol/l | 47.6 | 35.7 | 59.5 | 5.95 | | 11.9 |
| | ng/dl | 7.00 | 5.25 | 8.75 | 0.875 | 1.75 | Ortho Vitros 3600/5600/ECi/XT/7600 | |
| | | pg/ml | 70.0 | 52.5 | 87.5 | 8.75 | | 17.5 |
| | | pmol/l | 89.7 | 67.3 | 112 | 11.2 | | 22.3 |
| | ng/dl | 4.20 | 3.15 | 5.25 | 0.525 | 1.05 | Roche Cobas 4000/e411 | |
| | | pg/ml | 42.0 | 31.5 | 52.5 | 5.25 | | 10.5 |
| | | pmol/l | 53.8 | 40.4 | 67.2 | 6.70 | | 13.4 |
| | ng/dl | 4.38 | 3.29 | 5.47 | 0.545 | 1.09 | Roche Cobas e402/e801 | |
| | | pg/ml | 43.8 | 32.9 | 54.7 | 5.45 | | 10.9 |
| | | pmol/l | 56.2 | 42.2 | 70.2 | 7.00 | | 14.0 |
| | ng/dl | 4.23 | 3.17 | 5.29 | 0.530 | 1.06 | Roche Cobas e601/ 602 | |
| | | pg/ml | 42.3 | 31.7 | 52.9 | 5.30 | | 10.6 |
| | | pmol/l | 54.2 | 40.7 | 67.7 | 6.75 | | 13.5 |
| ng/dl | 3.37 | 2.53 | 4.21 | 0.420 | 0.840 | Siemens Atellica IM | | |
| | pg/ml | 33.7 | 25.3 | 42.1 | 4.20 | | 8.40 | |
| | pmol/l | 43.2 | 32.4 | 54.0 | 5.40 | | 10.8 | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|---------------|--|------|------|-------|-------|--------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Free T4 | ng/dl | 3.17 | 2.38 | 3.96 | 0.395 | 0.790 | Siemens Centaur |
| | pg/ml | 31.7 | 23.8 | 39.6 | 3.95 | 7.90 | |
| | pmol/l | 40.7 | 30.5 | 50.9 | 5.10 | 10.2 | |
| FSH | mU/ml | 53.0 | 42.4 | 63.6 | 5.30 | 10.6 | Abbott Alinity i |
| | mU/ml | 54.1 | 43.3 | 64.9 | 5.40 | 10.8 | Abbott Architect |
| | mU/ml | 63.1 | 50.5 | 75.7 | 6.30 | 12.6 | Beckman Dxl 600/800 |
| | mU/ml | 69.2 | 55.4 | 83.0 | 6.90 | 13.8 | bioMerieux, VIDAS |
| | mU/ml | 58.5 | 46.8 | 70.2 | 5.85 | 11.7 | Roche Cobas 4000/e411 |
| | mU/ml | 55.5 | 44.4 | 66.6 | 5.55 | 11.1 | Roche Cobas e402/e801 |
| | mU/ml | 54.7 | 43.8 | 65.6 | 5.45 | 10.9 | Roche Cobas e601/602 |
| | mU/ml | 76.1 | 60.9 | 91.3 | 7.60 | 15.2 | Siemens Atellica IM |
| | mU/ml | 59.5 | 47.6 | 71.4 | 5.95 | 11.9 | Siemens/DPC Immulite 2000/2500 |
| Growth Hormone (GH) | ng/ml | 14.4 | 11.5 | 17.3 | 1.45 | 2.90 | DiaSorin Liaison XL |
| | µU/ml | 43.1 | 34.5 | 51.7 | 4.30 | 8.60 | |
| | ng/ml | 15.0 | 12.0 | 18.0 | 1.50 | 3.00 | Roche Cobas e402/e801 |
| | µU/ml | 45.0 | 36.0 | 54.0 | 4.50 | 9.00 | |
| | ng/ml | 15.2 | 12.2 | 18.2 | 1.50 | 3.00 | Siemens/DPC Immulite 2000/2500 |
| Immunoglobulin E | KIU/l = IU/ml | 413 | 330 | 496 | 41.5 | 83.0 | Abbott Architect |
| | KIU/l = IU/ml | 492 | 394 | 590 | 49.0 | 98.0 | bioMerieux, VIDAS |
| | KIU/l = IU/ml | 521 | 417 | 625 | 52.0 | 104 | Roche Cobas 4000/e411 |
| | KIU/l = IU/ml | 487 | 390 | 584 | 48.5 | 97.0 | Roche Cobas e402/e801 |
| | KIU/l = IU/ml | 493 | 394 | 592 | 49.5 | 99.0 | Roche Cobas e601/ 602 |
| | KIU/l = IU/ml | 533 | 426 | 640 | 53.5 | 107 | Siemens Atellica IM |
| Insulin | mU/l | 16.7 | 12.5 | 20.9 | 2.10 | 4.20 | Abbott Alinity i |
| | µU/ml | 16.7 | 12.5 | 20.9 | 2.10 | 4.20 | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | | |
|--|--------------------------|--|------|------|------|------|---------------------------------------|---------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method | |
| Insulin | mU/l | 17.4 | 13.1 | 21.7 | 2.15 | 4.30 | Abbott Architect | |
| | µU/ml | 17.4 | 13.1 | 21.7 | 2.15 | 4.30 | | |
| | mU/l | 24.9 | 18.7 | 31.1 | 3.10 | 6.20 | Roche Cobas 4000/e411 | |
| | µU/ml | 24.9 | 18.7 | 31.1 | 3.10 | 6.20 | | |
| | mU/l | 25.7 | 19.3 | 32.1 | 3.20 | 6.40 | Roche Cobas 6000/8000 | |
| | µU/ml | 25.7 | 19.3 | 32.1 | 3.20 | 6.40 | | |
| | mU/l | 23.2 | 17.4 | 29.0 | 2.90 | 5.80 | Siemens Atellica IM | |
| | µU/ml | 23.2 | 17.4 | 29.0 | 2.90 | 5.80 | | |
| | Luteinising Hormone (LH) | mU/ml | 40.4 | 32.3 | 48.5 | 4.05 | 8.10 | Abbott Alinity i |
| | | mU/ml | 40.6 | 32.5 | 48.7 | 4.05 | 8.10 | Abbott Architect |
| | | mU/ml | 41.5 | 33.2 | 49.8 | 4.15 | 8.30 | Beckman Dxl 600/800 |
| | | mU/ml | 51.1 | 40.9 | 61.3 | 5.10 | 10.2 | bioMerieux, VIDAS |
| mU/ml | | 54.5 | 43.6 | 65.4 | 5.45 | 10.9 | Roche Cobas 4000/e411 | |
| mU/ml | | 52.3 | 41.8 | 62.8 | 5.25 | 10.5 | Roche Cobas e402/e801 | |
| mU/ml | | 54.1 | 43.3 | 64.9 | 5.40 | 10.8 | Roche Cobas e601/ 602 | |
| mU/ml | | 50.9 | 40.7 | 61.1 | 5.10 | 10.2 | Siemens Atellica IM | |
| Oestradiol | pg/ml | 345 | 276 | 414 | 34.5 | 69.0 | Abbott Alinity i | |
| | pmol/l | 1269 | 1015 | 1523 | 127 | 254 | | |
| | pg/ml | 354 | 283 | 425 | 35.5 | 71.0 | Abbott Architect | |
| | pmol/l | 1300 | 1040 | 1560 | 130 | 260 | | |
| | pg/ml | 923 | 738 | 1108 | 92.5 | 185 | bioMerieux, VIDAS | |
| | pmol/l | 3392 | 2714 | 4070 | 339 | 678 | | |
| | pg/ml | 402 | 322 | 482 | 40.0 | 80.0 | Roche Cobas 4000/e411 (Estradiol III) | |
| | pmol/l | 1478 | 1182 | 1774 | 148 | 296 | | |
| | pg/ml | 434 | 347 | 521 | 43.5 | 87.0 | Roche Cobas e402/e801 (Estradiol III) | |
| | pmol/l | 1594 | 1275 | 1913 | 160 | 319 | | |
| | pg/ml | 420 | 336 | 504 | 42.0 | 84.0 | Roche Cobas e601/ 602 (Estradiol III) | |
| | pmol/l | 1543 | 1234 | 1852 | 155 | 309 | | |
| | pg/ml | 795 | 636 | 954 | 79.5 | 159 | Siemens Atellica IM | |
| | pmol/l | 2921 | 2337 | 3505 | 292 | 584 | | |
| Phenobarbital | µg/ml | 26.2 | 21.0 | 31.4 | 2.60 | 5.20 | Beckman AU Instruments | |
| | µmol/l | 113 | 90.4 | 136 | 11.5 | 23.0 | | |
| | µg/ml | 27.1 | 21.7 | 32.5 | 2.70 | 5.40 | Roche Cobas C303/501/502/503/701 | |
| | µmol/l | 117 | 93.6 | 140 | 11.5 | 23.0 | | |
| | µg/ml | 26.7 | 21.4 | 32.0 | 2.65 | 5.30 | Siemens/DPC Immulite 2000/2500 | |
| | µmol/l | 115 | 92.0 | 138 | 11.5 | 23.0 | | |
| Phenytoin | µg/ml | 22.9 | 18.3 | 27.5 | 2.30 | 4.60 | Roche Cobas 6000/8000 | |
| | µmol/l | 90.8 | 72.6 | 109 | 9.10 | 18.2 | | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|-----------------|--|------|------|------|------|-----------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Progesterone | ng/ml | 23.9 | 19.1 | 28.7 | 2.40 | 4.80 | Abbott Alinity i |
| | nmol/l | 76.4 | 61.1 | 91.7 | 7.65 | 15.3 | |
| | ng/ml | 25.3 | 20.2 | 30.4 | 2.55 | 5.10 | Abbott Architect |
| | nmol/l | 80.8 | 64.6 | 97.0 | 8.10 | 16.2 | |
| | ng/ml | 28.3 | 22.6 | 34.0 | 2.85 | 5.70 | Roche Cobas 4000/e411 (Prog. III) |
| | nmol/l | 90.5 | 72.4 | 109 | 9.25 | 18.5 | |
| | ng/ml | 28.5 | 22.8 | 34.2 | 2.85 | 5.70 | Roche Cobas e402/e801 (Prog III) |
| | nmol/l | 91.2 | 73.0 | 109 | 8.90 | 17.8 | |
| | ng/ml | 29.1 | 23.3 | 34.9 | 2.90 | 5.80 | Roche Cobas e601/ 602 (Prog. III) |
| | nmol/l | 93.0 | 74.4 | 112 | 9.50 | 19.0 | |
| | ng/ml | 21.7 | 17.4 | 26.0 | 2.15 | 4.30 | Siemens Atellica IM |
| | nmol/l | 69.3 | 55.4 | 83.2 | 6.95 | 13.9 | |
| | ng/ml | 20.8 | 16.6 | 25.0 | 2.10 | 4.20 | Siemens/DPC Immulite 2000/2500 |
| | nmol/l | 66.3 | 53.0 | 79.6 | 6.65 | 13.3 | |
| Prolactin | µIU/mL | 1082 | 866 | 1298 | 108 | 216 | Abbott Alinity i |
| | µIU/mL | 1043 | 834 | 1252 | 105 | 209 | Abbott Architect |
| | µIU/mL | 771 | 617 | 925 | 77.0 | 154 | Beckman Dxl 600/800 |
| | µIU/mL | 1127 | 902 | 1352 | 113 | 225 | bioMerieux, VIDAS |
| | µIU/mL | 1106 | 885 | 1327 | 111 | 221 | Roche Cobas 4000/e411 |
| | µIU/mL | 1051 | 841 | 1261 | 105 | 210 | Roche Cobas e402/e801 PRL II |
| | µIU/mL | 1077 | 862 | 1292 | 108 | 215 | Roche Cobas e601/ 602 |
| | µIU/mL | 654 | 523 | 785 | 65.5 | 131 | Siemens Atellica IM |
| PSA Free | ng/ml = µg/l | 19.4 | 14.6 | 24.2 | 2.40 | 4.80 | Abbott Alinity i |
| | ng/ml = µg/l | 18.7 | 14.0 | 23.4 | 2.35 | 4.70 | Abbott Architect |
| | ng/ml = µg/l | 15.4 | 11.6 | 19.2 | 1.90 | 3.80 | Roche Cobas 4000/e411 |
| | ng/ml = µg/l | 14.4 | 10.8 | 18.0 | 1.80 | 3.60 | Roche Cobas e402/e801 |
| | ng/ml = µg/l | 15.1 | 11.3 | 18.9 | 1.90 | 3.80 | Roche Cobas e601/602 |
| | ng/ml = µg/l | 18.7 | 14.0 | 23.4 | 2.35 | 4.70 | Siemens Atellica IM |
| PSA Total | ng/ml = µg/l | 14.8 | 11.1 | 18.5 | 1.85 | 3.70 | Abbott Alinity i |
| | ng/ml = µg/l | 15.1 | 11.3 | 18.9 | 1.90 | 3.80 | Abbott Architect |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|-----------------|--|------|-------|-------|----------------------------------|--|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| PSA Total | ng/ml = µg/l | 23.3 | 17.5 | 29.1 | 2.90 | 5.80 | Beckman Access standardised to Hybritech |
| | ng/ml = µg/l | 18.1 | 13.6 | 22.6 | 2.25 | 4.50 | Beckman DXI standard to WHO IRP96/670 |
| | ng/ml = µg/l | 19.9 | 14.9 | 24.9 | 2.50 | 5.00 | Ortho Vitros 3600/5600/ECi PSA II/XT7600 |
| | ng/ml = µg/l | 21.8 | 16.4 | 27.2 | 2.70 | 5.40 | Roche Cobas 4000/e411 |
| | ng/ml = µg/l | 19.9 | 14.9 | 24.9 | 2.50 | 5.00 | Roche Cobas e402/e801 |
| | ng/ml = µg/l | 20.3 | 15.2 | 25.4 | 2.55 | 5.10 | Roche Cobas e601/602 |
| | ng/ml = µg/l | 19.1 | 14.3 | 23.9 | 2.40 | 4.80 | Siemens Atellica IM |
| | ng/ml = µg/l | 19.1 | 14.3 | 23.9 | 2.40 | 4.80 | Siemens Centaur |
| SHBG | nmol/l | 37.1 | 29.7 | 44.5 | 3.70 | 7.40 | Abbott Alinity i |
| | nmol/l | 38.9 | 31.1 | 46.7 | 3.90 | 7.80 | Abbott Architect |
| | nmol/l | 35.0 | 28.0 | 42.0 | 3.50 | 7.00 | Roche analysers |
| | nmol/l | 34.6 | 27.7 | 41.5 | 3.45 | 6.90 | Roche e402/e801 |
| | nmol/l | 35.7 | 28.6 | 42.8 | 3.55 | 7.10 | Siemens Atellica IM |
| | nmol/l | 32.5 | 26.0 | 39.0 | 3.25 | 6.50 | Siemens/DPC Immulite 2000/2500 |
| Testosterone | ng/dl | 749 | 599 | 899 | 75.0 | 150 | Abbott Alinity i |
| | ng/ml | 7.49 | 5.99 | 8.99 | 0.750 | 1.50 | |
| | nmol/l | 26.0 | 20.8 | 31.2 | 2.60 | 5.20 | |
| | ng/dl | 706 | 565 | 847 | 70.5 | 141 | Abbott Architect |
| | ng/ml | 7.06 | 5.65 | 8.47 | 0.705 | 1.41 | |
| | nmol/l | 24.5 | 19.6 | 29.4 | 2.45 | 4.90 | |
| | ng/dl | 720 | 576 | 864 | 72.0 | 144 | Abbott Architect 2nd gen |
| | ng/ml | 7.20 | 5.76 | 8.64 | 0.720 | 1.44 | |
| | nmol/l | 25.0 | 20.0 | 30.0 | 2.50 | 5.00 | |
| | ng/dl | 637 | 510 | 764 | 63.5 | 127 | Beckman Dxl 600/800 |
| | ng/ml | 6.36 | 5.09 | 7.63 | 0.635 | 1.27 | |
| | nmol/l | 22.1 | 17.7 | 26.5 | 2.20 | 4.40 | |
| ng/dl | 634 | 507 | 761 | 63.5 | 127 | bioMerieux VIDAS Testosterone II | |
| ng/ml | 6.34 | 5.07 | 7.61 | 0.635 | 1.27 | | |
| nmol/l | 22.0 | 17.6 | 26.4 | 2.20 | 4.40 | | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | | |
|--|---------------|--|------|------|-------|--------------------------------|---------------------------------------|------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method | |
| Testosterone | ng/dl | 752 | 602 | 902 | 75.0 | 150 | Roche Cobas 4000/e411 Test II | |
| | ng/ml | 7.52 | 6.02 | 9.02 | 0.750 | 1.50 | | |
| | nmol/l | 26.1 | 20.9 | 31.3 | 2.60 | 5.20 | | |
| | ng/dl | 758 | 606 | 910 | 76.0 | 152 | Roche Cobas e402/e801 Test II | |
| | | ng/ml | 7.57 | 6.06 | 9.08 | 0.755 | | 1.51 |
| | | nmol/l | 26.3 | 21.0 | 31.6 | 2.65 | | 5.30 |
| | ng/dl | 769 | 615 | 923 | 77.0 | 154 | Roche Cobas e601/ 602 Test II | |
| | | ng/ml | 7.69 | 6.15 | 9.23 | 0.770 | | 1.54 |
| | | nmol/l | 26.7 | 21.4 | 32.0 | 2.65 | | 5.30 |
| | ng/dl | 599 | 479 | 719 | 60.0 | 120 | Siemens Atellica IM | |
| | | ng/ml | 5.99 | 4.79 | 7.19 | 0.600 | | 1.20 |
| | | nmol/l | 20.8 | 16.6 | 25.0 | 2.10 | | 4.20 |
| ng/dl | 879 | 703 | 1055 | 88.0 | 176 | Siemens/DPC Immulite 2000/2500 | | |
| | ng/ml | 8.78 | 7.02 | 10.5 | 0.860 | | 1.72 | |
| | nmol/l | 30.5 | 24.4 | 36.6 | 3.05 | | 6.10 | |
| Thyroglobulin | ng/ml | 69.4 | 52.1 | 86.7 | 8.65 | 17.3 | Abbott Alinity i | |
| | ng/ml | 60.5 | 45.4 | 75.6 | 7.55 | 15.1 | Roche Cobas e402/e801 Tg II | |
| | ng/ml | 35.9 | 26.9 | 44.9 | 4.50 | 9.00 | Siemens/DPC Immulite 2000/2500 | |
| Thyroid Stimulating Hormone | μU/ml = mIU/l | 16.0 | 12.8 | 19.2 | 1.60 | 3.20 | Abbott Alinity i | |
| | μU/ml = mIU/l | 16.8 | 13.4 | 20.2 | 1.70 | 3.40 | Abbott Architect | |
| | μU/ml = mIU/l | 18.2 | 14.6 | 21.8 | 1.80 | 3.60 | Beckman DXI600/800/ Access 2 (3rd IS) | |
| | μU/ml = mIU/l | 20.5 | 16.4 | 24.6 | 2.05 | 4.10 | Ortho Vitros TSH3 | |
| | μU/ml = mIU/l | 19.2 | 15.4 | 23.0 | 1.90 | 3.80 | Roche Cobas 4000/e411 | |
| | μU/ml = mIU/l | 17.8 | 14.2 | 21.4 | 1.80 | 3.60 | Roche Cobas e402/e801 | |
| | μU/ml = mIU/l | 19.3 | 15.4 | 23.2 | 1.95 | 3.90 | Roche Cobas e601/ 602 | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|---------------|--|-------|-------|-------|-------|------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Thyroid Stimulating Hormone | µU/ml = mIU/l | 19.1 | 15.3 | 22.9 | 1.90 | 3.80 | Siemens Atellica IM |
| | µU/ml = mIU/l | 20.4 | 16.3 | 24.5 | 2.05 | 4.10 | Siemens Centaur TSH3-Ultra |
| Total Beta hCG | IU/ml | 0.194 | 0.155 | 0.233 | 0.020 | 0.039 | Abbott Alinity i |
| | mU/ml = IU/l | 194 | 155 | 233 | 19.5 | 39.0 | |
| | IU/ml | 0.189 | 0.151 | 0.227 | 0.019 | 0.038 | Abbott Architect |
| | mU/ml = IU/l | 189 | 151 | 227 | 19.0 | 38.0 | |
| | IU/ml | 0.450 | 0.360 | 0.540 | 0.045 | 0.090 | bioMerieux, VIDAS |
| | mU/ml = IU/l | 450 | 360 | 540 | 45.0 | 90.0 | |
| | IU/ml | 0.421 | 0.337 | 0.505 | 0.042 | 0.084 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | mU/ml = IU/l | 421 | 337 | 505 | 42.0 | 84.0 | |
| | IU/ml | 0.231 | 0.185 | 0.277 | 0.023 | 0.046 | Roche hCG + Beta e402/e801 |
| | mU/ml = IU/l | 231 | 185 | 277 | 23.0 | 46.0 | |
| | IU/ml | 0.234 | 0.187 | 0.281 | 0.024 | 0.047 | Roche hCG+Beta |
| | mU/ml = IU/l | 234 | 187 | 281 | 23.5 | 47.0 | |
| | IU/ml | 0.153 | 0.122 | 0.184 | 0.016 | 0.031 | Siemens Atellica IM |
| | mU/ml = IU/l | 153 | 122 | 184 | 15.5 | 31.0 | |
| Total T3 | IU/ml | 0.157 | 0.126 | 0.188 | 0.016 | 0.031 | Siemens Centaur |
| | mU/ml = IU/l | 157 | 126 | 188 | 15.5 | 31.0 | |
| | ng/dl | 301 | 226 | 376 | 37.5 | 75.0 | Abbott Alinity i |
| | ng/ml | 3.02 | 2.27 | 3.77 | 0.375 | 0.750 | |
| | nmol/l | 4.64 | 3.48 | 5.80 | 0.580 | 1.16 | |
| | ng/dl | 305 | 229 | 381 | 38.0 | 76.0 | Abbott Architect |
| | ng/ml | 3.05 | 2.29 | 3.81 | 0.380 | 0.760 | |
| | nmol/l | 4.69 | 3.52 | 5.86 | 0.585 | 1.17 | |
| | ng/dl | 397 | 298 | 496 | 49.5 | 99.0 | Roche Cobas 4000/e411 |
| | ng/ml | 3.98 | 2.99 | 4.97 | 0.495 | 0.990 | |
| | nmol/l | 6.12 | 4.59 | 7.65 | 0.765 | 1.53 | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | | |
|--|----------|--|------|------|-------|-------|-------------------------|------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method | |
| Total T3 | ng/dl | 395 | 296 | 494 | 49.5 | 99.0 | Roche Cobas e402/e801 | |
| | ng/ml | 3.96 | 2.97 | 4.95 | 0.495 | 0.990 | | |
| | nmol/l | 6.08 | 4.56 | 7.60 | 0.760 | 1.52 | | |
| | Total T4 | ng/dl | 401 | 301 | 501 | 50.0 | 100 | Siemens Atellica IM |
| | | ng/ml | 4.02 | 3.02 | 5.02 | 0.500 | 1.00 | |
| | | nmol/l | 6.18 | 4.64 | 7.72 | 0.770 | 1.54 | |
| Total T4 | ng/ml | 131 | 98.3 | 164 | 16.5 | 33.0 | Abbott Alinity i | |
| | nmol/l | 168 | 126 | 210 | 21.0 | 42.0 | | |
| | µg/dl | 13.1 | 9.83 | 16.4 | 1.65 | 3.30 | | |
| | Total T4 | ng/ml | 129 | 96.8 | 161 | 16.0 | 32.0 | Abbott Architect |
| | | nmol/l | 166 | 125 | 207 | 20.5 | 41.0 | |
| | | µg/dl | 12.9 | 9.68 | 16.1 | 1.60 | 3.20 | |
| | Total T4 | ng/ml | 142 | 107 | 177 | 17.5 | 35.0 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | | nmol/l | 182 | 137 | 227 | 22.5 | 45.0 | |
| | | µg/dl | 14.2 | 10.7 | 17.7 | 1.75 | 3.50 | |
| | Total T4 | ng/ml | 126 | 94.5 | 158 | 16.0 | 32.0 | Roche Cobas 4000/e411 |
| | | nmol/l | 162 | 122 | 202 | 20.0 | 40.0 | |
| | | µg/dl | 12.6 | 9.45 | 15.8 | 1.60 | 3.20 | |
| | Total T4 | ng/ml | 115 | 86.3 | 144 | 14.5 | 29.0 | Roche Cobas e402/e801 |
| | | nmol/l | 147 | 110 | 184 | 18.5 | 37.0 | |
| | | µg/dl | 11.5 | 8.63 | 14.4 | 1.45 | 2.90 | |
| | Total T4 | ng/ml | 128 | 96.0 | 160 | 16.0 | 32.0 | Roche Cobas e601/ 602 |
| | | nmol/l | 164 | 123 | 205 | 20.5 | 41.0 | |
| | | µg/dl | 12.8 | 9.60 | 16.0 | 1.60 | 3.20 | |
| | Total T4 | ng/ml | 144 | 108 | 180 | 18.0 | 36.0 | Siemens Atellica IM |
| | | nmol/l | 185 | 139 | 231 | 23.0 | 46.0 | |
| | | µg/dl | 14.4 | 10.8 | 18.0 | 1.80 | 3.60 | |
| | Total T4 | ng/ml | 133 | 99.8 | 166 | 16.5 | 33.0 | Siemens/DPC Immulite 2000/2500 |
| | | nmol/l | 171 | 128 | 214 | 21.5 | 43.0 | |
| | | µg/dl | 13.3 | 9.98 | 16.6 | 1.65 | 3.30 | |
| Valproic Acid | µg/ml | 147 | 118 | 176 | 14.5 | 29.0 | Abbott Architect (CMIA) | |
| | µmol/l | 1022 | 818 | 1226 | 102 | 204 | | |
| | µg/ml | 144 | 115 | 173 | 14.5 | 29.0 | Roche Cobas 6000/8000 | |
| | µmol/l | 996 | 797 | 1195 | 99.5 | 199 | | |
| Vancomycin | µg/ml | 16.8 | 13.4 | 20.2 | 1.70 | 3.40 | Abbott Architect (CMIA) | |
| | µmol/l | 11.3 | 9.04 | 13.6 | 1.15 | 2.30 | | |
| | µg/ml | 15.3 | 12.2 | 18.4 | 1.55 | 3.10 | Roche Cobas 6000/8000 | |
| | µmol/l | 10.3 | 8.24 | 12.4 | 1.05 | 2.10 | | |

| Method | | Immunoassay Premium Plus - Level 3 (IA PREMIUM PLUS 3) | | | | | |
|--|--------|--|-----|------|------|------|------------------------------------|
| Lot. No: 2681EC Cat. No: IA3111 Expiry: 2028/08/28 | | | | | | | |
| Size: 12 x 5 ml / 4 x 5 ml | | Range | | | | | |
| Analyte | Unit | Target | Low | High | 1SD | 2SD | Method |
| Vitamin B12 | pg/ml | 530 | 424 | 636 | 53.0 | 106 | Abbott Alinity i |
| | pmol/l | 391 | 313 | 469 | 39.0 | 78.0 | |
| | pg/ml | 656 | 525 | 787 | 65.5 | 131 | Abbott Architect |
| | pmol/l | 484 | 387 | 581 | 48.5 | 97.0 | |
| | pg/ml | 581 | 465 | 697 | 58.0 | 116 | Beckman Dxl 600/800 |
| | pmol/l | 429 | 343 | 515 | 43.0 | 86.0 | |
| | pg/ml | 763 | 610 | 916 | 76.5 | 153 | Ortho Vitros 3600/5600/ECi/XT 7600 |
| | pmol/l | 563 | 450 | 676 | 56.5 | 113 | |
| | pg/ml | 827 | 662 | 992 | 82.5 | 165 | Roche Cobas 4000/e411 Gen II |
| | pmol/l | 610 | 488 | 732 | 61.0 | 122 | |
| | pg/ml | 766 | 613 | 919 | 76.5 | 153 | Roche Cobas e402/e801 Gen II |
| | pmol/l | 565 | 452 | 678 | 56.5 | 113 | |
| | pg/ml | 799 | 639 | 959 | 80.0 | 160 | Roche Cobas e601/ 602 Gen II |
| | pmol/l | 590 | 472 | 708 | 59.0 | 118 | |
| | pg/ml | 897 | 718 | 1076 | 89.5 | 179 | Siemens Atellica IM lot 13290 |
| | pmol/l | 662 | 530 | 794 | 66.0 | 132 | |
| | pg/ml | 745 | 596 | 894 | 74.5 | 149 | Siemens/DPC Immulite 2000 |
| | pmol/l | 550 | 440 | 660 | 55.0 | 110 | |