

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

| | | |
|------------------------|-----------------------------|------------------------|
| CAT. NO. IA3109 | GTIN: 05055273207255 | SIZE: 12 x 5 ml |
| CAT. NO. IA3112 | GTIN: 05055273207286 | SIZE: 4 x 5 ml |
| LOT NO. 1936EC | EXPIRY: 2022-12-28 | |

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 I: 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. Aldosterone is present in control levels 2 and level 3 only. 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.

31 Oct 18 pq

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods | |
|--------------------|-----------------|--------|-------|--------------------|--------------------------------------|-------------------------|
| | | | low | high | | |
| 17-OH-Progesterone | nmol/l | 2.64 | 1.98 | 3.30 | Immunotech RIA | |
| | ng/ml | 0.874 | 0.655 | 1.09 | | |
| | nmol/l | 3.46 | 2.60 | 4.33 | DRG ELISA | |
| | ng/ml | 1.15 | 0.861 | 1.44 | | |
| | nmol/l | 4.43 | 3.32 | 5.54 | DIAsource RIA | |
| | ng/ml | 1.47 | 1.10 | 1.84 | | |
| | nmol/l | 3.67 | 2.75 | 4.59 | SNIBE Maglumi Analysers | |
| | ng/ml | 1.21 | 0.910 | 1.51 | | |
| | 25-OH Vitamin D | nmol/l | 31.7 | 23.8 | 39.6 | Diasorin Liaison |
| | | nmol/l | 16.2 | 12.2 | 20.3 | Roche Vitamin D Total |
| | | nmol/l | 15.0 | 11.3 | 18.8 | Abbott Architect |
| | | nmol/l | 63.7 | 47.8 | 79.6 | SNIBE Maglumi Analysers |
| nmol/l | | 57.5 | 43.1 | 71.9 | Vitros ECI | |
| nmol/l | | 24.7 | 18.5 | 30.9 | Tosoh Series | |
| nmol/l | | 21.4 | 16.1 | 26.8 | BioMerieux Vidas | |
| nmol/l | | 34.7 | 26.0 | 43.4 | Beckman Dxl 600/800 | |
| nmol/l | | 11.4 | 8.55 | 14.3 | Fujirebio Lumipulse G Series | |
| nmol/l | | 33.4 | 25.1 | 41.8 | Beckman Access 25 OH Vitamin D Total | |
| ACTH | pmol/l | 1.13 | 0.848 | 1.41 | Siemens Immulite 2000/2500 | |
| | pg/ml | 5.14 | 3.85 | 6.43 | | |
| | pmol/l | 2.13 | 1.60 | 2.66 | Roche Cobas E411 | |
| | pg/ml | 9.68 | 7.27 | 12.1 | | |
| | pmol/l | 2.02 | 1.52 | 2.53 | Roche Cobas 6000/8000 | |
| | pg/ml | 9.18 | 6.91 | 11.5 | | |
| Alphafoetoprotein | KIU/l = IU/ml | 8.71 | 6.97 | 10.5 | Abbott Architect | |
| | ng/ml | 10.5 | 8.43 | 12.6 | | |
| | KIU/l = IU/ml | 8.07 | 6.46 | 9.68 | BioMerieux Vidas | |
| | ng/ml | 9.76 | 7.82 | 11.7 | | |
| | KIU/l = IU/ml | 9.90 | 7.82 | 12.0 | Siemens Centaur XP/XPT/Classic | |
| | ng/ml | 12.0 | 9.48 | 14.5 | | |
| | KIU/l = IU/ml | 8.33 | 6.66 | 10.0 | Siemens Immulite 2000/2500 | |
| | ng/ml | 10.1 | 8.06 | 12.1 | | |
| | KIU/l = IU/ml | 8.43 | 6.74 | 10.1 | Siemens Immulite 1000 | |
| | ng/ml | 10.2 | 8.16 | 12.2 | | |
| | KIU/l = IU/ml | 9.46 | 7.57 | 11.4 | Beckman Dxl800 | |
| | ng/ml | 11.4 | 9.16 | 13.6 | | |
| | KIU/l = IU/ml | 9.60 | 7.68 | 11.5 | Roche Elecsys | |
| | ng/ml | 11.6 | 9.29 | 13.9 | | |
| KIU/l = IU/ml | 11.0 | 8.80 | 13.2 | Diasorin Liaison | | |
| ng/ml | 13.3 | 10.6 | 16.0 | | | |
| KIU/l = IU/ml | 9.81 | 7.85 | 11.8 | Roche Modular E170 | | |
| ng/ml | 11.9 | 9.50 | 14.3 | | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Range | | | | | |
|----------------------|---------------|--------|-------|------------------------------|------------------------------|
| Analyte | unit | Target | low | high | methods |
| Alphafoetoprotein | KIU/l = IU/ml | 9.63 | 7.70 | 11.6 | Beckman Access |
| | ng/ml | 11.7 | 9.32 | 14.1 | |
| | KIU/l = IU/ml | 9.87 | 7.90 | 11.8 | Tosoh Series |
| | ng/ml | 11.9 | 9.56 | 14.2 | |
| | KIU/l = IU/ml | 10.2 | 8.16 | 12.2 | Vitros Eci |
| | ng/ml | 10.6 | 8.48 | 12.7 | |
| | KIU/l = IU/ml | 9.82 | 7.86 | 11.8 | Roche Cobas 6000/8000 |
| | ng/ml | 11.9 | 9.51 | 14.3 | |
| | KIU/l = IU/ml | 15.3 | 12.2 | 18.4 | CIS IRMA |
| | ng/ml | 18.5 | 14.8 | 22.2 | |
| | KIU/l = IU/ml | 9.70 | 7.76 | 11.6 | Roche Cobas E411 |
| | ng/ml | 11.7 | 9.39 | 14.0 | |
| | KIU/l = IU/ml | 10.2 | 8.16 | 12.2 | SNIBE Maglumi Analysers |
| | ng/ml | 12.3 | 9.87 | 14.7 | |
| KIU/l = IU/ml | 9.37 | 7.50 | 11.2 | Fujirebio Lumipulse G Series | |
| ng/ml | 11.3 | 9.08 | 13.5 | | |
| KIU/l = IU/ml | 10.4 | 8.32 | 12.5 | Siemens Dimension | |
| ng/ml | 12.6 | 10.1 | 15.1 | | |
| KIU/l = IU/ml | 9.61 | 7.59 | 11.6 | Siemens Centaur CP | |
| ng/ml | 11.6 | 9.16 | 14.0 | | |
| Amikacin | µmol/l | 6.49 | 5.19 | 7.79 | Roche Integra |
| | µg/ml | 3.80 | 3.04 | 4.56 | Roche Cobas 6000/8000 |
| | µmol/l | 6.45 | 5.16 | 7.74 | |
| | µg/ml | 3.78 | 3.02 | 4.54 | Gravimetric |
| | µmol/l | 6.40 | 5.12 | 7.68 | |
| µg/ml | 3.75 | 3.00 | 4.50 | | |
| Androstenedione | nmol/l | 4.34 | 3.26 | 5.43 | Siemens Immulite 2000 |
| | ng/ml | 1.25 | 0.936 | 1.56 | |
| Beta-2-microglobulin | µg/ml = mg/l | 1.04 | 0.832 | 1.25 | Abbott Architect |
| | µg/ml = mg/l | 1.13 | 0.904 | 1.36 | BioMerieux Vidas |
| | µg/ml = mg/l | 1.02 | 0.816 | 1.22 | Behring Nephelometer |
| | µg/ml = mg/l | 1.07 | 0.856 | 1.28 | Siemens Immulite 2000/2500 |
| | µg/ml = mg/l | 1.11 | 0.888 | 1.33 | Siemens Immulite 1000 |
| | µg/ml = mg/l | 0.856 | 0.685 | 1.03 | Diasorin Liaison |
| | µg/ml = mg/l | 1.22 | 0.976 | 1.46 | Tosoh Series |
| | µg/ml = mg/l | 1.09 | 0.872 | 1.31 | Roche Cobas E411 |
| | µg/ml = mg/l | 1.17 | 0.936 | 1.40 | Roche Cobas 6000/8000 |
| | µg/ml = mg/l | 1.06 | 0.848 | 1.27 | Siemens Dimension |
| | µg/ml = mg/l | 0.698 | 0.558 | 0.838 | SNIBE Maglumi Analysers |
| | µg/ml = mg/l | 0.976 | 0.781 | 1.17 | Fujirebio Lumipulse G Series |
| C-Peptide | nmol/l | 0.275 | 0.206 | 0.344 | Siemens Immulite 2000/2500 |
| | ng/ml | 0.830 | 0.622 | 1.04 | |
| | nmol/l | 0.433 | 0.325 | 0.541 | Roche Elecsys |
| | ng/ml | 1.31 | 0.981 | 1.64 | |
| | nmol/l | 0.434 | 0.326 | 0.543 | Roche Cobas 6000/8000 |
| ng/ml | 1.31 | 0.984 | 1.64 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|-----------|--------|--------|-------|------------------------------|--------------------------------|
| | | | low | high | |
| C-Peptide | nmol/l | 0.250 | 0.188 | 0.313 | Siemens Immulite 1000 |
| | ng/ml | 0.755 | 0.568 | 0.942 | |
| | nmol/l | 0.405 | 0.304 | 0.506 | Diasorin Liaison |
| | ng/ml | 1.22 | 0.918 | 1.52 | |
| | nmol/l | 0.431 | 0.323 | 0.539 | Roche Cobas E411 |
| | ng/ml | 1.30 | 0.975 | 1.63 | |
| | nmol/l | 0.332 | 0.249 | 0.415 | Abbott Architect |
| | ng/ml | 1.00 | 0.752 | 1.25 | |
| CA 15-3 | nmol/l | 0.262 | 0.183 | 0.341 | Siemens Centaur XP/XPT/Classic |
| | ng/ml | 0.791 | 0.554 | 1.03 | |
| | nmol/l | 0.577 | 0.433 | 0.721 | SNIBE Maglumi Analysers |
| | ng/ml | 1.74 | 1.31 | 2.17 | |
| | U/ml | 23.8 | 19.0 | 28.6 | Abbott Architect |
| | U/ml | 21.1 | 16.9 | 25.3 | BioMerieux Vidas |
| | U/ml | 21.0 | 13.9 | 28.1 | Siemens Centaur XP/XPT/Classic |
| | U/ml | 21.3 | 17.0 | 25.6 | Siemens Immulite 2000/2500 |
| | U/ml | 23.9 | 19.1 | 28.7 | Siemens Immulite 1000 |
| | U/ml | 9.47 | 7.58 | 11.4 | Beckman DxI800 |
| | U/ml | 19.6 | 15.7 | 23.5 | Roche Elecsys |
| | U/ml | 20.3 | 16.2 | 24.4 | Roche Modular E170 |
| | U/ml | 9.72 | 7.78 | 11.7 | Beckman Access |
| | U/ml | 23.1 | 18.5 | 27.7 | Tosoh Series |
| | U/ml | 19.7 | 15.8 | 23.6 | Vitros ECi |
| | U/ml | 20.3 | 16.2 | 24.4 | Roche Cobas 6000/8000 |
| U/ml | 20.2 | 16.2 | 24.2 | Roche Cobas E411 | |
| U/ml | 23.6 | 18.9 | 28.3 | SNIBE Maglumi Analysers | |
| U/ml | 24.6 | 19.7 | 29.5 | Fujirebio Lumipulse G Series | |
| U/ml | 20.8 | 13.7 | 27.9 | Siemens Centaur CP | |
| CA 19-9 | U/ml | 209 | 167 | 251 | Abbott Architect |
| | U/ml | 38.6 | 30.9 | 46.3 | BioMerieux Vidas |
| | U/ml | 67.8 | 44.7 | 90.9 | Siemens Centaur XP/XPT/Classic |
| | U/ml | 20.3 | 16.2 | 24.4 | Siemens Immulite 2000/2500 |
| | U/ml | 25.8 | 20.6 | 31.0 | Beckman DxI800 |
| | U/ml | 18.1 | 14.5 | 21.7 | Roche Elecsys |
| | U/ml | 43.7 | 35.0 | 52.4 | Diasorin Liaison |
| | U/ml | 19.0 | 15.2 | 22.8 | Roche Modular E170 |
| | U/ml | 27.4 | 21.9 | 32.9 | Beckman Access |
| | U/ml | 15.3 | 12.2 | 18.4 | Tosoh Series |
| | U/ml | 45.8 | 36.6 | 55.0 | Vitros ECi |
| | U/ml | 207 | 166 | 248 | Abbott Architect XR/XR2 kit |
| | U/ml | 18.0 | 14.4 | 21.6 | Roche Cobas 6000/8000 |
| | U/ml | 18.1 | 14.5 | 21.7 | Roche Cobas E411 |
| | U/ml | 14.3 | 11.4 | 17.2 | SNIBE Maglumi Analysers |
| | U/ml | 38.5 | 30.8 | 46.2 | Fujirebio Lumipulse G Series |
| U/ml | 72.5 | 47.9 | 97.1 | Siemens Centaur CP | |
| CA125 | U/ml | 32.0 | 25.6 | 38.4 | Abbott Architect |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Range | | | | | |
|--------------------------------|--------------|--------|------|-----------------------------------|---|
| Analyte | unit | Target | low | high | methods |
| CA125 | U/ml | 21.7 | 17.4 | 26.0 | BioMerieux Vidas |
| | U/ml | 24.9 | 16.4 | 33.4 | Siemens Centaur XP/XPT/Classic OV Kit |
| | U/ml | 24.2 | 16.0 | 32.4 | Siemens Centaur XP/XPT/Classic CA125 II kit |
| | U/ml | 21.5 | 17.2 | 25.8 | Siemens Immulite 2000/2500 |
| | U/ml | 21.3 | 17.0 | 25.6 | Siemens Immulite 1000 |
| | U/ml | 19.6 | 15.7 | 23.5 | Beckman DxI800 |
| | U/ml | 21.1 | 16.9 | 25.3 | Roche Elecsys |
| | U/ml | 26.6 | 21.3 | 31.9 | Diasorin Liaison |
| | U/ml | 20.4 | 16.3 | 24.5 | Roche Modular E170 |
| | U/ml | 19.9 | 15.9 | 23.9 | Beckman Access |
| | U/ml | 37.4 | 29.9 | 44.9 | Tosoh Series |
| | U/ml | 20.6 | 16.5 | 24.7 | Vitros ECi |
| | U/ml | 21.0 | 16.8 | 25.2 | Roche Cobas E411 |
| | U/ml | 20.8 | 16.6 | 25.0 | Roche Cobas 6000/8000 |
| | U/ml | 22.8 | 18.2 | 27.4 | SNIBE Maglumi Analysers |
| | U/ml | 20.4 | 16.3 | 24.5 | Fujirebio Lumipulse G Series |
| | U/ml | 25.2 | 16.6 | 33.8 | Siemens Centaur CP CA125 II kit |
| Carbamazepine | µmol/l | 15.8 | 12.6 | 19.0 | Abbott Architect |
| | µg/ml | 3.74 | 2.98 | 4.50 | |
| | µmol/l | 16.9 | 12.2 | 21.6 | Siemens Centaur XP/XPT/Classic |
| | µg/ml | 4.00 | 2.88 | 5.12 | |
| | µmol/l | 14.3 | 11.4 | 17.2 | Siemens Dimension |
| | µg/ml | 3.38 | 2.69 | 4.07 | |
| | µmol/l | 12.5 | 10.0 | 15.0 | Siemens Immulite 2000/2500 |
| | µg/ml | 2.96 | 2.36 | 3.56 | |
| | µmol/l | 11.9 | 9.52 | 14.3 | Siemens Immulite 1000 |
| | µg/ml | 2.81 | 2.25 | 3.37 | |
| | µmol/l | 15.4 | 12.3 | 18.5 | Roche Integra |
| | µg/ml | 3.64 | 2.91 | 4.37 | |
| | µmol/l | 12.7 | 10.2 | 15.2 | Vitros |
| | µg/ml | 3.00 | 2.41 | 3.59 | |
| | µmol/l | 14.7 | 11.8 | 17.6 | Roche Cobas E411 |
| | µg/ml | 3.48 | 2.79 | 4.17 | |
| | µmol/l | 14.0 | 11.2 | 16.8 | Roche Cobas 6000/8000 |
| | µg/ml | 3.31 | 2.65 | 3.97 | |
| | µmol/l | 13.9 | 11.1 | 16.7 | Beckman DxC |
| | µg/ml | 3.29 | 2.62 | 3.96 | |
| µmol/l | 16.6 | 13.3 | 19.9 | Beckman AU400/600/640/2700/5400 | |
| µg/ml | 3.92 | 3.14 | 4.70 | | |
| µmol/l | 15.6 | 12.5 | 18.7 | Siemens ADVIA 1200/1650/1800/2400 | |
| µg/ml | 3.69 | 2.96 | 4.42 | | |
| µmol/l | 15.4 | 12.3 | 18.5 | Gravimetric | |
| µg/ml | 3.64 | 2.91 | 4.37 | | |
| Carcinoembryonic Antigen (CEA) | ng/ml = µg/l | 4.51 | 3.61 | 5.41 | Abbott Architect |
| | ng/ml = µg/l | 3.85 | 3.08 | 4.62 | BioMerieux Vidas |
| | ng/ml = µg/l | 4.22 | 2.79 | 5.65 | Siemens Centaur XP/XPT/Classic |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|--------------------------------|--------------|--------|-------|-------------------------|--------------------------------|
| | | | low | high | |
| Carcinoembryonic Antigen (CEA) | ng/ml = µg/l | 4.21 | 3.37 | 5.05 | CIS RIA Coated tube |
| | ng/ml = µg/l | 5.03 | 4.02 | 6.04 | Siemens Immulite 2000/2500 |
| | ng/ml = µg/l | 5.04 | 4.03 | 6.05 | Siemens Immulite 1000 |
| | ng/ml = µg/l | 3.78 | 3.02 | 4.54 | Beckman DxI800 |
| | ng/ml = µg/l | 4.05 | 3.24 | 4.86 | Roche Elecsys |
| | ng/ml = µg/l | 3.86 | 3.09 | 4.63 | Diasorin Liaison |
| | ng/ml = µg/l | 4.17 | 3.34 | 5.00 | Roche Modular E170 |
| | ng/ml = µg/l | 3.91 | 3.13 | 4.69 | Beckman Access |
| | ng/ml = µg/l | 6.71 | 5.37 | 8.05 | Tosoh Series |
| | ng/ml = µg/l | 4.66 | 3.73 | 5.59 | Vitros ECi |
| | ng/ml = µg/l | 4.13 | 3.30 | 4.96 | Roche Cobas 6000/8000 |
| | ng/ml = µg/l | 4.21 | 3.37 | 5.05 | Roche Cobas E411 |
| | ng/ml = µg/l | 4.83 | 3.86 | 5.80 | SNIBE Maglumi Analysers |
| | ng/ml = µg/l | 5.84 | 4.67 | 7.01 | Fujirebio Lumipulse G Series |
| | ng/ml = µg/l | 4.29 | 2.83 | 5.75 | Siemens Centaur CP |
| Cortisol | nmol/l | 177 | 133 | 221 | Abbott Architect |
| | µg/dl | 6.37 | 4.79 | 7.95 | |
| | nmol/l | 103 | 77.3 | 129 | BioMerieux Vidas |
| | µg/dl | 3.71 | 2.78 | 4.64 | |
| | nmol/l | 163 | 108 | 218 | Siemens Centaur XP/XPT/Classic |
| | µg/dl | 5.87 | 3.87 | 7.87 | |
| | nmol/l | 135 | 101 | 169 | CIS RIA |
| | µg/dl | 4.86 | 3.64 | 6.08 | |
| | nmol/l | 175 | 131 | 219 | Siemens Immulite 2000/2500 |
| | µg/dl | 6.30 | 4.72 | 7.88 | |
| | nmol/l | 165 | 124 | 206 | Siemens Immulite 1000 |
| | µg/dl | 5.94 | 4.46 | 7.42 | |
| | nmol/l | 170 | 128 | 213 | Beckman DxI800 |
| | µg/dl | 6.12 | 4.61 | 7.63 | |
| | nmol/l | 157 | 118 | 196 | Roche Elecsys |
| | µg/dl | 5.65 | 4.25 | 7.05 | |
| | nmol/l | 195 | 146 | 244 | Diasorin Liaison |
| | µg/dl | 7.02 | 5.26 | 8.78 | |
| | nmol/l | 152 | 114 | 190 | Roche Modular E170 |
| | µg/dl | 5.47 | 4.10 | 6.84 | |
| | nmol/l | 176 | 132 | 220 | Beckman Access |
| µg/dl | 6.34 | 4.75 | 7.93 | | |
| nmol/l | 159 | 119 | 199 | Tosoh Series | |
| µg/dl | 5.72 | 4.28 | 7.16 | | |
| nmol/l | 130 | 97.5 | 163 | Vitros ECi | |
| µg/dl | 4.68 | 3.51 | 5.85 | | |
| nmol/l | 153 | 115 | 191 | Roche Cobas 6000/8000 | |
| µg/dl | 5.51 | 4.14 | 6.88 | | |
| nmol/l | 162 | 122 | 203 | Roche Cobas E411 | |
| µg/dl | 5.83 | 4.39 | 7.27 | | |
| nmol/l | 238 | 179 | 298 | SNIBE Maglumi Analysers | |
| µg/dl | 8.57 | 6.44 | 10.7 | | |

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Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|----------|--------|--------|-------|-----------------------------------|---------------------------------|
| | | | low | high | |
| Cortisol | nmol/l | 183 | 121 | 245 | Siemens Centaur CP |
| | µg/dl | 6.59 | 4.35 | 8.83 | |
| | nmol/l | 157 | 118 | 196 | Roche Modular E170 Gen II |
| | µg/dl | 5.65 | 4.25 | 7.05 | |
| | nmol/l | 162 | 122 | 203 | Roche Cobas 4000/e411 Gen II |
| | µg/dl | 5.83 | 4.39 | 7.27 | |
| | nmol/l | 152 | 114 | 190 | Roche Cobas 6000/8000 Gen II |
| | µg/dl | 5.47 | 4.10 | 6.84 | |
| | nmol/l | 168 | 126 | 210 | Roche Elecsys Gen II |
| | µg/dl | 6.05 | 4.54 | 7.56 | |
| DHEA-S | µmol/l | 2.21 | 1.77 | 2.65 | Abbott Architect |
| | µmol/l | 1.72 | 1.38 | 2.06 | Siemens Immulite 2000/2500 |
| | µmol/l | 1.73 | 1.38 | 2.08 | Siemens Immulite 1000 |
| | µmol/l | 2.12 | 1.70 | 2.54 | Beckman Dxl800 |
| | µmol/l | 2.91 | 2.33 | 3.49 | Roche Elecsys |
| | µmol/l | 2.91 | 2.33 | 3.49 | Roche Modular E170 |
| | µmol/l | 2.44 | 1.95 | 2.93 | Beckman Access |
| | µmol/l | 1.57 | 1.26 | 1.88 | Diasorin Liaison |
| | µmol/l | 1.51 | 0.982 | 2.04 | Siemens Centaur XP/XPT/Classic |
| | µmol/l | 2.78 | 2.22 | 3.34 | Roche Cobas E411 |
| Digoxin | nmol/l | 0.680 | 0.544 | 0.816 | Abbott Architect |
| | ng/ml | 0.531 | 0.425 | 0.637 | |
| | nmol/l | 0.718 | 0.574 | 0.862 | BioMerieux Vidas |
| | ng/ml | 0.561 | 0.448 | 0.674 | |
| | nmol/l | 1.07 | 0.803 | 1.34 | Siemens Centaur XP/XPT/Classic |
| | ng/ml | 0.836 | 0.627 | 1.05 | |
| | nmol/l | 0.758 | 0.606 | 0.910 | Siemens Dimension |
| | ng/ml | 0.592 | 0.473 | 0.711 | |
| | nmol/l | 0.796 | 0.637 | 0.955 | Siemens Immulite 2000/2500 |
| | ng/ml | 0.622 | 0.497 | 0.747 | |
| | nmol/l | 0.868 | 0.694 | 1.04 | Beckman Dxl800 |
| | ng/ml | 0.678 | 0.542 | 0.814 | |
| | nmol/l | 0.891 | 0.713 | 1.07 | Roche Integra |
| | ng/ml | 0.696 | 0.557 | 0.835 | |
| | nmol/l | 0.938 | 0.750 | 1.13 | Roche Cobas 6000/8000 |
| | ng/ml | 0.733 | 0.586 | 0.880 | |
| | nmol/l | 0.808 | 0.646 | 0.970 | Beckman DxC |
| | ng/ml | 0.631 | 0.505 | 0.757 | |
| | nmol/l | 1.00 | 0.800 | 1.20 | Beckman AU400/600/640/2700/5400 |
| | ng/ml | 0.781 | 0.625 | 0.937 | |
| nmol/l | 0.730 | 0.584 | 0.876 | Siemens ADVIA 1200/1650/1800/2400 | |
| ng/ml | 0.570 | 0.456 | 0.684 | | |
| nmol/l | 0.560 | 0.448 | 0.672 | SNIBE Maglumi Analysers | |
| ng/ml | 0.437 | 0.350 | 0.524 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|--------------|--------------|--------|-------|-----------------------------------|---|
| | | | low | high | |
| Digoxin | nmol/l | 0.969 | 0.775 | 1.16 | Roche Cobas 4000/E411 |
| | ng/ml | 0.757 | 0.605 | 0.909 | |
| | nmol/l | 0.896 | 0.720 | 1.08 | Gravimetric |
| | ng/ml | 0.700 | 0.560 | 0.840 | |
| Ethosuximide | µmol/l | 226 | 181 | 271 | Gravimetric |
| | µg/ml | 32.0 | 25.7 | 38.4 | |
| Ferritin | ng/ml = µg/l | 14.1 | 11.3 | 16.9 | Abbott Architect |
| | ng/ml = µg/l | 10.7 | 8.56 | 12.8 | BioMerieux Vidas |
| | ng/ml = µg/l | 12.3 | 9.23 | 15.4 | Siemens Centaur XP/XPT/Classic |
| | ng/ml = µg/l | 12.2 | 9.76 | 14.6 | Siemens Immulite 2000/2500 |
| | ng/ml = µg/l | 12.6 | 10.1 | 15.1 | Siemens Immulite 1000 |
| | ng/ml = µg/l | 9.26 | 7.41 | 11.1 | Beckman Dxl800 |
| | ng/ml = µg/l | 14.2 | 11.4 | 17.0 | Roche Elecsys |
| | ng/ml = µg/l | 11.8 | 9.44 | 14.2 | Diasorin Liaison |
| | ng/ml = µg/l | 14.1 | 11.3 | 16.9 | Roche Modular E170 |
| | ng/ml = µg/l | 8.94 | 7.15 | 10.7 | Beckman Access |
| | ng/ml = µg/l | 8.48 | 6.78 | 10.2 | Tosoh Series |
| | ng/ml = µg/l | 10.5 | 8.40 | 12.6 | Vitros ECI |
| | ng/ml = µg/l | 13.2 | 10.6 | 15.8 | Immunotech IRMA |
| | ng/ml = µg/l | 14.3 | 11.4 | 17.2 | Roche Cobas E411 |
| | ng/ml = µg/l | 8.63 | 6.90 | 10.4 | SNIBE Maglumi Analysers |
| | ng/ml = µg/l | 6.40 | 5.12 | 7.68 | Fujirebio Lumipulse G Series |
| ng/ml = µg/l | 10.5 | 7.88 | 13.1 | Siemens Centaur CP | |
| Folate | nmol/l | 4.25 | 3.23 | 5.27 | Abbott Architect |
| | ng/ml | 1.87 | 1.42 | 2.32 | |
| | nmol/l | 9.11 | 5.01 | 13.2 | Siemens Centaur XP/XPT/Classic (enhanced kit) |
| | ng/ml | 4.02 | 2.21 | 5.83 | |
| | nmol/l | 3.17 | 2.41 | 3.93 | Siemens Immulite 2000 |
| | ng/ml | 1.40 | 1.06 | 1.74 | |
| | nmol/l | 3.80 | 2.89 | 4.71 | Beckman Dxl800 |
| | ng/ml | 1.68 | 1.27 | 2.09 | |
| | nmol/l | 4.14 | 3.15 | 5.13 | Beckman Access |
| | ng/ml | 1.83 | 1.39 | 2.27 | |
| | nmol/l | 7.03 | 5.34 | 8.72 | Tosoh Series |
| | ng/ml | 3.10 | 2.35 | 3.85 | |
| | nmol/l | 4.55 | 3.46 | 5.64 | Vitros ECI |
| | ng/ml | 2.01 | 1.53 | 2.49 | |
| | nmol/l | 2.51 | 1.91 | 3.11 | MP Biomedicals RIA |
| | ng/ml | 1.11 | 0.842 | 1.38 | |
| | nmol/l | 3.61 | 2.74 | 4.48 | Roche Cobas 6000/8000 |
| | ng/ml | 1.59 | 1.21 | 1.97 | |
| | nmol/l | 2.81 | 2.14 | 3.48 | SNIBE Maglumi Analysers |
| | ng/ml | 1.24 | 0.944 | 1.54 | |
| nmol/l | 9.82 | 5.40 | 14.2 | Siemens Centaur CP (enhanced kit) | |
| ng/ml | 4.33 | 2.38 | 6.28 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Range | | | | | |
|---------|--------|--------|-------|-------------------------|----------------------------------|
| Analyte | unit | Target | low | high | methods |
| Folate | nmol/l | 3.58 | 2.72 | 4.44 | Roche Cobas 6000/8000 Folate III |
| | ng/ml | 1.58 | 1.20 | 1.96 | |
| Free T3 | pmol/l | 2.45 | 1.84 | 3.06 | Abbott Architect |
| | ng/dl | 0.159 | 0.120 | 0.198 | |
| | pg/ml | 1.59 | 1.20 | 1.98 | |
| | pmol/l | 2.28 | 1.71 | 2.85 | BioMerieux Vidas |
| | ng/dl | 0.148 | 0.111 | 0.185 | |
| | pg/ml | 1.48 | 1.11 | 1.85 | |
| | pmol/l | 2.80 | 1.68 | 3.92 | Siemens Centaur XP/XPT/Classic |
| | ng/dl | 0.182 | 0.109 | 0.255 | |
| | pg/ml | 1.82 | 1.09 | 2.55 | |
| | pmol/l | 2.64 | 1.98 | 3.30 | Siemens Immulite 2000/2500 |
| | ng/dl | 0.172 | 0.129 | 0.215 | |
| | pg/ml | 1.72 | 1.29 | 2.15 | |
| | pmol/l | 2.69 | 2.02 | 3.36 | Siemens Immulite 1000 |
| | ng/dl | 0.175 | 0.131 | 0.219 | |
| | pg/ml | 1.75 | 1.32 | 2.18 | |
| | pmol/l | 3.07 | 2.30 | 3.84 | Beckman DxI800 |
| | ng/dl | 0.200 | 0.150 | 0.250 | |
| | pg/ml | 2.00 | 1.50 | 2.50 | |
| | pmol/l | 3.43 | 2.57 | 4.29 | Roche Elecsys |
| | ng/dl | 0.223 | 0.167 | 0.279 | |
| | pg/ml | 2.23 | 1.67 | 2.79 | |
| | pmol/l | 2.29 | 1.72 | 2.86 | Diasorin Liaison |
| | ng/dl | 0.149 | 0.112 | 0.186 | |
| | pg/ml | 1.49 | 1.12 | 1.86 | |
| | pmol/l | 3.28 | 2.46 | 4.10 | Roche Modular E170 |
| | ng/dl | 0.213 | 0.160 | 0.266 | |
| | pg/ml | 2.14 | 1.60 | 2.68 | |
| pmol/l | 3.13 | 2.35 | 3.91 | Beckman Access | |
| ng/dl | 0.203 | 0.153 | 0.253 | | |
| pg/ml | 2.04 | 1.53 | 2.55 | | |
| pmol/l | 2.92 | 2.19 | 3.65 | Tosoh Series | |
| ng/dl | 0.190 | 0.142 | 0.238 | | |
| pg/ml | 1.90 | 1.43 | 2.37 | | |
| pmol/l | 6.21 | 4.66 | 7.76 | Vitros ECi | |
| ng/dl | 0.404 | 0.303 | 0.505 | | |
| pg/ml | 4.04 | 3.03 | 5.05 | | |
| pmol/l | 3.53 | 2.65 | 4.41 | Roche Cobas E411 | |
| ng/dl | 0.229 | 0.172 | 0.286 | | |
| pg/ml | 2.30 | 1.73 | 2.87 | | |
| pmol/l | 3.33 | 2.50 | 4.16 | Roche Cobas 6000/8000 | |
| ng/dl | 0.216 | 0.163 | 0.269 | | |
| pg/ml | 2.17 | 1.63 | 2.71 | | |
| pmol/l | 1.78 | 1.34 | 2.23 | SNIBE Maglumi Analysers | |
| ng/dl | 0.116 | 0.087 | 0.145 | | |
| pg/ml | 1.16 | 0.872 | 1.45 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|---------|--------|--------|-------|-----------------------|--------------------------------|
| | | | low | high | |
| Free T3 | pmol/l | 3.02 | 1.81 | 4.23 | Siemens Centaur CP |
| | ng/dl | 0.196 | 0.118 | 0.274 | |
| | pg/ml | 1.97 | 1.18 | 2.76 | |
| Free T4 | pmol/l | 9.69 | 7.27 | 12.1 | Abbott Architect |
| | ng/dl | 0.756 | 0.567 | 0.945 | |
| | pg/ml | 7.56 | 5.67 | 9.45 | |
| | pmol/l | 8.04 | 6.03 | 10.1 | Siemens Centaur XP/XPT/Classic |
| | ng/dl | 0.627 | 0.470 | 0.784 | |
| | pg/ml | 6.27 | 4.70 | 7.84 | |
| | pmol/l | 10.7 | 8.03 | 13.4 | CIS RIA Coated tube |
| | ng/dl | 0.835 | 0.626 | 1.04 | |
| | pg/ml | 8.35 | 6.26 | 10.4 | |
| | pmol/l | 11.6 | 8.70 | 14.5 | Siemens Dimension |
| | ng/dl | 0.905 | 0.679 | 1.13 | |
| | pg/ml | 9.05 | 6.79 | 11.3 | |
| | pmol/l | 13.0 | 9.75 | 16.3 | Siemens Immulite 2000/2500 |
| | ng/dl | 1.01 | 0.761 | 1.26 | |
| | pg/ml | 10.1 | 7.61 | 12.6 | |
| | pmol/l | 12.8 | 9.60 | 16.0 | Siemens Immulite 1000 |
| | ng/dl | 0.998 | 0.749 | 1.25 | |
| | pg/ml | 9.98 | 7.49 | 12.5 | |
| | pmol/l | 10.1 | 7.58 | 12.6 | Beckman DxI800 |
| | ng/dl | 0.788 | 0.591 | 0.985 | |
| | pg/ml | 7.88 | 5.91 | 9.85 | |
| | pmol/l | 13.6 | 10.2 | 17.0 | Roche Elecsys |
| | ng/dl | 1.06 | 0.796 | 1.32 | |
| | pg/ml | 10.6 | 7.96 | 13.2 | |
| | pmol/l | 13.1 | 9.83 | 16.4 | Diasorin Liaison |
| | ng/dl | 1.02 | 0.767 | 1.27 | |
| | pg/ml | 10.2 | 7.67 | 12.7 | |
| pmol/l | 12.5 | 9.38 | 15.6 | Roche Modular E170 | |
| ng/dl | 0.975 | 0.732 | 1.22 | | |
| pg/ml | 9.75 | 7.32 | 12.2 | | |
| pmol/l | 10.6 | 7.95 | 13.3 | Beckman Access | |
| ng/dl | 0.827 | 0.620 | 1.03 | | |
| pg/ml | 8.27 | 6.20 | 10.3 | | |
| pmol/l | 10.1 | 7.58 | 12.6 | Tosoh Series | |
| ng/dl | 0.788 | 0.591 | 0.985 | | |
| pg/ml | 7.88 | 5.91 | 9.85 | | |
| pmol/l | 23.5 | 17.6 | 29.4 | Vitros ECi | |
| ng/dl | 1.83 | 1.37 | 2.29 | | |
| pg/ml | 18.3 | 13.7 | 22.9 | | |
| pmol/l | 13.1 | 9.83 | 16.4 | Roche Cobas 6000/8000 | |
| ng/dl | 1.02 | 0.767 | 1.27 | | |
| pg/ml | 10.2 | 7.67 | 12.7 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods | |
|------------|--------|--------|-------|---------------------------|--------------------------------|------|
| | | | low | high | | |
| Free T4 | pmol/l | 12.5 | 9.38 | 15.6 | Immunotech IRMA | |
| | ng/dl | 0.975 | 0.732 | 1.22 | | |
| | pg/ml | 9.75 | 7.32 | 12.2 | | |
| | pmol/l | 13.9 | 10.4 | 17.4 | Roche Cobas E411 | |
| | | ng/dl | 1.08 | 0.811 | | 1.35 |
| | | pg/ml | 10.8 | 8.11 | | 13.5 |
| | pmol/l | 11.3 | 8.48 | 14.1 | Siemens Dimension Vista LOCI | |
| | | ng/dl | 0.881 | 0.661 | | 1.10 |
| | | pg/ml | 8.81 | 6.61 | | 11.0 |
| | pmol/l | 13.2 | 9.90 | 16.5 | SNIBE Maglumi Analysers | |
| | | ng/dl | 1.03 | 0.772 | | 1.29 |
| | | pg/ml | 10.3 | 7.72 | | 12.9 |
| pmol/l | 10.4 | 7.80 | 13.0 | Biomerieux Vidas FT4N Kit | | |
| | ng/dl | 0.811 | 0.608 | | 1.01 | |
| | pg/ml | 8.11 | 6.08 | | 10.1 | |
| pmol/l | 8.82 | 6.62 | 11.0 | Siemens Centaur CP | | |
| | ng/dl | 0.688 | 0.516 | | 0.860 | |
| | pg/ml | 6.88 | 5.16 | | 8.60 | |
| FSH | mU/ml | 8.06 | 6.45 | 9.67 | Abbott Architect | |
| | mU/ml | 9.30 | 7.44 | 11.2 | BioMerieux Vidas | |
| | mU/ml | 11.1 | 7.77 | 14.4 | Siemens Centaur XP/XPT/Classic | |
| | mU/ml | 8.96 | 7.17 | 10.8 | Siemens Immulite 2000/2500 | |
| | mU/ml | 9.39 | 7.51 | 11.3 | Siemens Immulite 1000 | |
| | mU/ml | 9.70 | 7.76 | 11.6 | Beckman Dxl800 | |
| | mU/ml | 9.07 | 7.26 | 10.9 | Roche/BM Elecsys | |
| | mU/ml | 10.8 | 8.64 | 13.0 | Diasorin Liaison | |
| | mU/ml | 8.16 | 6.53 | 9.79 | Roche Modular E170 | |
| | mU/ml | 9.51 | 7.61 | 11.4 | Beckman Access | |
| | mU/ml | 11.1 | 8.88 | 13.3 | Tosoh Series | |
| | mU/ml | 7.12 | 5.70 | 8.54 | Vitros ECi | |
| | mU/ml | 9.00 | 7.20 | 10.8 | Roche Cobas E411 | |
| | mU/ml | 8.53 | 6.82 | 10.2 | Roche Cobas 6000/8000 | |
| | mU/ml | 10.1 | 8.08 | 12.1 | SNIBE Maglumi Analysers | |
| | mU/ml | 7.41 | 5.93 | 8.89 | Fujirebio Lumipulse G Series | |
| mU/ml | 8.13 | 5.69 | 10.6 | Siemens Centaur CP | | |
| Gentamicin | µmol/l | 4.17 | 3.34 | 5.00 | Roche Integra | |
| | µg/ml | 1.99 | 1.60 | 2.38 | | |
| | µmol/l | 4.95 | 3.56 | 6.34 | Siemens Centaur XP/XPT/Classic | |
| | µg/ml | 2.37 | 1.71 | 3.03 | | |
| | µmol/l | 4.38 | 3.50 | 5.26 | Siemens Dimension Vista | |
| | µg/ml | 2.09 | 1.67 | 2.51 | | |
| | µmol/l | 3.32 | 2.66 | 3.98 | Roche Cobas 6000/8000 | |
| | µg/ml | 1.59 | 1.27 | 1.91 | | |
| µmol/l | 4.77 | 3.82 | 5.72 | Beckman DxC | | |
| µg/ml | 2.28 | 1.83 | 2.73 | | | |
| µmol/l | 4.85 | 3.88 | 5.82 | Gravimetric | | |
| µg/ml | 2.32 | 1.85 | 2.78 | | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods | |
|---------------------|---------|---------------|-------|------|------------------------------|--------------------------------|
| | | | low | high | | |
| Growth Hormone (GH) | µU/ml | 4.36 | 3.49 | 5.23 | Siemens Immulite 2000/2500 | |
| | ng/ml | 1.45 | 1.16 | 1.74 | | |
| | µU/ml | 4.03 | 3.22 | 4.84 | Siemens Immulite 1000 | |
| | ng/ml | 1.34 | 1.07 | 1.61 | | |
| | µU/ml | 3.01 | 2.41 | 3.61 | Beckman Dxl800 | |
| | ng/ml | 1.00 | 0.803 | 1.20 | | |
| | µU/ml | 3.09 | 2.47 | 3.71 | Beckman Access | |
| | ng/ml | 1.03 | 0.823 | 1.24 | | |
| | µU/ml | 4.07 | 3.26 | 4.88 | Tosoh Series | |
| | ng/ml | 1.36 | 1.09 | 1.63 | | |
| | µU/ml | 3.45 | 2.76 | 4.14 | Diasorin Liaison | |
| | ng/ml | 1.15 | 0.919 | 1.38 | | |
| | µU/ml | 4.54 | 3.63 | 5.45 | Roche Cobas E411 | |
| | ng/ml | 1.51 | 1.21 | 1.81 | | |
| | µU/ml | 6.39 | 5.11 | 7.67 | SNIBE Maglumi Analysers | |
| | ng/ml | 2.13 | 1.70 | 2.56 | | |
| Immunoglobulin E | µU/ml | 4.45 | 3.56 | 5.34 | Roche Cobas 6000/8000 | |
| | ng/ml | 1.48 | 1.19 | 1.77 | | |
| | µU/ml | 3.41 | 2.73 | 4.09 | IDS iSYS | |
| | ng/ml | 1.14 | 0.909 | 1.37 | | |
| | Insulin | KIU/I = IU/ml | 272 | 218 | 326 | Abbott Architect |
| | | KIU/I = IU/ml | 207 | 166 | 248 | BioMerieux Vidas |
| | | KIU/I = IU/ml | 225 | 135 | 315 | Siemens Centaur XP/XPT/Classic |
| | | KIU/I = IU/ml | 247 | 198 | 296 | Siemens Immulite 2000/2500 |
| | | KIU/I = IU/ml | 256 | 205 | 307 | Siemens Immulite 1000 |
| | | KIU/I = IU/ml | 271 | 217 | 325 | Beckman Dxl800 |
| | | KIU/I = IU/ml | 231 | 185 | 277 | Roche Elecsys |
| | | KIU/I = IU/ml | 220 | 176 | 264 | Pharmacia Unicap |
| | | KIU/I = IU/ml | 233 | 186 | 280 | Roche Modular E170 |
| | | KIU/I = IU/ml | 236 | 189 | 283 | Tosoh Series |
| | | KIU/I = IU/ml | 240 | 192 | 288 | Roche Cobas E411 |
| | | KIU/I = IU/ml | 237 | 190 | 284 | Roche Cobas 6000/8000 |
| KIU/I = IU/ml | | 196 | 157 | 235 | SNIBE Maglumi Analysers | |
| KIU/I = IU/ml | | 201 | 161 | 241 | Fujirebio Lumipulse G Series | |
| KIU/I = IU/ml | | 211 | 127 | 295 | Siemens Centaur CP | |
| Insulin | | mU/l | 1.94 | 1.46 | 2.42 | Siemens Centaur XP/XPT/Classic |
| | mU/l | 2.29 | 1.72 | 2.86 | Roche Modular E170 | |
| | mU/l | 2.59 | 1.94 | 3.24 | Siemens Immulite 2000 | |
| | mU/l | 2.19 | 1.64 | 2.74 | Roche Elecsys | |
| | mU/l | 1.26 | 0.945 | 1.58 | Beckman Access | |
| | mU/l | 1.60 | 1.20 | 2.00 | Abbott Architect | |
| | mU/l | 2.36 | 1.77 | 2.95 | Tosoh Series | |
| | mU/l | 2.13 | 1.60 | 2.66 | Roche Cobas E411 | |
| | mU/l | 1.25 | 0.938 | 1.56 | Beckman Dxl 600/800 | |
| | mU/l | 1.46 | 1.10 | 1.83 | Diasorin Liaison | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|--------------------------|--------|--------|-------|--|---|
| | | | low | high | |
| Insulin | mU/l | 2.21 | 1.66 | 2.76 | Roche Cobas 6000/8000 |
| | mU/l | 5.27 | 3.95 | 6.59 | SNIBE Maglumi Analysers |
| | mU/l | 1.70 | 1.28 | 2.13 | Fujirebio Lumipulse G Series |
| | mU/l | 1.79 | 1.34 | 2.24 | Siemens Centaur CP |
| Luteinising Hormone (LH) | mU/ml | 1.79 | 1.43 | 2.15 | Abbott Architect |
| | mU/ml | 2.55 | 2.04 | 3.06 | BioMerieux Vidas |
| | mU/ml | 2.38 | 1.79 | 2.97 | Siemens Centaur XP/XPT/Classic |
| | mU/ml | 5.86 | 4.69 | 7.03 | Siemens Immulite 2000 |
| | mU/ml | 6.27 | 5.02 | 7.52 | Siemens Immulite 1000 |
| | mU/ml | 1.65 | 1.32 | 1.98 | Beckman DxI800 |
| | mU/ml | 3.14 | 2.51 | 3.77 | Roche Elecsys |
| | mU/ml | 2.84 | 2.27 | 3.41 | Diasorin Liaison |
| | mU/ml | 3.08 | 2.46 | 3.70 | Roche Modular E170 |
| | mU/ml | 1.69 | 1.35 | 2.03 | Beckman Access |
| | mU/ml | 2.14 | 1.71 | 2.57 | Tosoh Series |
| | mU/ml | 4.40 | 3.52 | 5.28 | Vitros ECi |
| | mU/ml | 3.08 | 2.46 | 3.70 | Roche Cobas E411 |
| | mU/ml | 3.11 | 2.49 | 3.73 | Roche Cobas 6000/8000 |
| | mU/ml | 3.35 | 2.68 | 4.02 | SNIBE Maglumi Analysers |
| | mU/ml | 2.42 | 1.94 | 2.90 | Fujirebio Lumipulse G Series |
| mU/ml | 2.19 | 1.64 | 2.74 | Siemens Centaur CP | |
| Oestradiol | pmol/l | 244 | 195 | 293 | Abbott Architect |
| | pg/ml | 66.4 | 53.0 | 79.8 | |
| | pmol/l | 232 | 186 | 278 | BioMerieux Vidas |
| | pg/ml | 63.1 | 50.6 | 75.6 | |
| | pmol/l | 223 | 134 | 312 | Siemens Centaur XP/XPT/Classic |
| | pg/ml | 60.7 | 36.4 | 85.0 | |
| | pmol/l | 168 | 134 | 202 | Siemens Immulite 2000/2500 |
| | pg/ml | 45.7 | 36.4 | 55.0 | |
| | pmol/l | 163 | 130 | 196 | Siemens Immulite 1000 |
| | pg/ml | 44.3 | 35.4 | 53.2 | |
| | pmol/l | 185 | 148 | 222 | Roche Elecsys (Estradiol II) |
| | pg/ml | 50.3 | 40.3 | 60.3 | |
| | pmol/l | 140 | 112 | 168 | Vitros ECi |
| | pg/ml | 38.1 | 30.5 | 45.7 | |
| | pmol/l | 203 | 162 | 244 | Roche Cobas 6000/8000 (Estradiol II) |
| | pg/ml | 55.2 | 44.1 | 66.3 | |
| | pmol/l | 192 | 154 | 230 | Roche Cobas 4000/E411 (Estradiol II) |
| | pg/ml | 52.2 | 41.9 | 62.5 | |
| | pmol/l | 226 | 136 | 316 | Siemens Centaur XP/XPT/Classic Enhanced (eE2) |
| | pg/ml | 61.5 | 36.9 | 86.1 | |
| pmol/l | 210 | 126 | 294 | Siemens Centaur XP/XPT/Classic E26 III | |
| pg/ml | 57.1 | 34.3 | 79.9 | | |
| pmol/l | 185 | 148 | 222 | SNIBE Maglumi Analysers | |
| pg/ml | 50.3 | 40.3 | 60.3 | | |
| pmol/l | 254 | 152 | 356 | Siemens Centaur CP | |
| pg/ml | 69.1 | 41.5 | 96.7 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|---------------|--------|--------|-------|-----------------------|---------------------------------------|
| | | | low | high | |
| Oestradiol | pmol/l | 223 | 134 | 312 | Siemens Centaur CP Enhanced (eE2) |
| | pg/ml | 60.7 | 36.4 | 85.0 | |
| | pmol/l | 226 | 181 | 271 | Fujirebio Lumipulse G Series |
| | pg/ml | 61.5 | 49.2 | 73.8 | |
| | pmol/l | 203 | 162 | 244 | Roche Cobas 6000/8000 (Estradiol III) |
| | pg/ml | 55.2 | 44.1 | 66.3 | |
| | pmol/l | 187 | 150 | 224 | Roche Elecsys (Estradiol III) |
| | pg/ml | 50.9 | 40.8 | 61.0 | |
| Paracetamol | pmol/l | 185 | 148 | 222 | Roche Cobas 4000/E411 (Estradiol III) |
| | pg/ml | 50.3 | 40.3 | 60.3 | |
| | pmol/l | 211 | 169 | 253 | Roche Modular E170 (Estradiol III) |
| | pg/ml | 57.4 | 46.0 | 68.8 | |
| | mmol/l | 0.150 | 0.120 | 0.180 | Roche Integra |
| | mg/l | 22.7 | 18.2 | 27.2 | |
| | mmol/l | 0.161 | 0.129 | 0.193 | Abbott Architect |
| | mg/l | 24.4 | 19.5 | 29.3 | |
| Phenobarbital | mmol/l | 0.132 | 0.106 | 0.158 | Roche Cobas 6000/8000 |
| | mg/l | 20.0 | 16.0 | 24.0 | |
| | mmol/l | 0.166 | 0.130 | 0.200 | Gravimetric |
| | mg/l | 25.1 | 19.7 | 30.3 | |
| | µmol/l | 35.6 | 28.5 | 42.7 | Abbott Architect |
| | µg/ml | 8.26 | 6.61 | 9.91 | |
| | µmol/l | 32.9 | 26.3 | 39.5 | Roche Cobas 6000/8000 |
| | µg/ml | 7.63 | 6.10 | 9.16 | |
| | µmol/l | 36.3 | 29.0 | 43.6 | Siemens Immulite 2000/2500 |
| | µg/ml | 8.42 | 6.73 | 10.1 | |
| | µmol/l | 32.9 | 26.3 | 39.5 | Beckman AU400/600/640/2700/5400 |
| | µg/ml | 7.63 | 6.10 | 9.16 | |
| | µmol/l | 42.5 | 29.8 | 55.2 | Siemens Centaur XP/XPT/Classic |
| | µg/ml | 9.86 | 6.90 | 12.8 | |
| | µmol/l | 34.2 | 27.4 | 41.0 | Roche Integra |
| | µg/ml | 7.93 | 6.36 | 9.50 | |
| µmol/l | 37.3 | 29.8 | 44.8 | Siemens Immulite 1000 | |
| µg/ml | 8.65 | 6.91 | 10.4 | | |
| µmol/l | 28.4 | 22.7 | 34.1 | Roche Cobas E411 | |
| µg/ml | 6.59 | 5.27 | 7.91 | | |
| µmol/l | 32.1 | 25.7 | 38.5 | Beckman DxC | |
| µg/ml | 7.45 | 5.96 | 8.94 | | |
| µmol/l | 34.5 | 27.6 | 41.4 | Gravimetric | |
| µg/ml | 8.00 | 6.40 | 9.60 | | |
| Phenytoin | µmol/l | 19.3 | 15.4 | 23.2 | Abbott Architect |
| | µg/ml | 4.87 | 3.89 | 5.85 | |
| | µmol/l | 18.4 | 13.8 | 23.0 | Siemens Centaur XP/XPT/Classic |
| | µg/ml | 4.65 | 3.49 | 5.81 | |
| | µmol/l | 17.8 | 14.2 | 21.4 | Siemens Dimension |
| | µg/ml | 4.49 | 3.59 | 5.39 | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|--------------|--------|--------|-------|----------------------------------|--------------------------------|
| | | | low | high | |
| Phenytoin | µmol/l | 18.7 | 15.0 | 22.4 | Siemens Immulite 2000/2500 |
| | µg/ml | 4.72 | 3.79 | 5.65 | |
| | µmol/l | 19.2 | 15.4 | 23.0 | Siemens Immulite 1000 |
| | µg/ml | 4.85 | 3.89 | 5.81 | |
| | µmol/l | 18.8 | 15.0 | 22.6 | Roche Integra |
| | µg/ml | 4.75 | 3.79 | 5.71 | |
| | µmol/l | 15.4 | 12.3 | 18.5 | Vitros |
| | µg/ml | 3.89 | 3.11 | 4.67 | |
| | µmol/l | 18.6 | 14.9 | 22.3 | Roche Cobas E411 |
| | µg/ml | 4.70 | 3.76 | 5.64 | |
| | µmol/l | 18.5 | 14.8 | 22.2 | Roche Cobas 6000/8000 |
| | µg/ml | 4.67 | 3.74 | 5.60 | |
| µmol/l | 19.0 | 15.2 | 22.8 | Beckman DxC | |
| µg/ml | 4.80 | 3.84 | 5.76 | | |
| µmol/l | 20.2 | 16.2 | 24.2 | Gravimetric | |
| µg/ml | 5.10 | 4.09 | 6.11 | | |
| Primidone | µmol/l | 12.3 | 9.84 | 14.8 | Gravimetric |
| | µg/ml | 2.69 | 2.15 | 3.23 | |
| Progesterone | nmol/l | 3.28 | 2.62 | 3.94 | Abbott Architect |
| | ng/ml | 1.03 | 0.820 | 1.24 | |
| | nmol/l | 4.60 | 3.68 | 5.52 | BioMerieux Vidas |
| | ng/ml | 1.44 | 1.15 | 1.73 | |
| | nmol/l | 2.47 | 1.36 | 3.58 | Siemens Centaur XP/XPT/Classic |
| | ng/ml | 0.773 | 0.425 | 1.12 | |
| | nmol/l | 3.60 | 2.88 | 4.32 | Siemens Immulite 2000/2500 |
| | ng/ml | 1.13 | 0.901 | 1.36 | |
| | nmol/l | 3.61 | 2.89 | 4.33 | Siemens Immulite 1000 |
| | ng/ml | 1.13 | 0.905 | 1.36 | |
| | nmol/l | 3.49 | 2.79 | 4.19 | Beckman Dxl Prog Cal 33555 |
| | ng/ml | 1.09 | 0.873 | 1.31 | |
| | nmol/l | 3.39 | 2.71 | 4.07 | Roche Elecsys (Prog. II) |
| | ng/ml | 1.06 | 0.848 | 1.27 | |
| | nmol/l | 3.50 | 2.80 | 4.20 | Beckman Access Prog Cal 33555 |
| | ng/ml | 1.10 | 0.876 | 1.32 | |
| | nmol/l | 2.64 | 2.11 | 3.17 | Tosoh Series |
| | ng/ml | 0.826 | 0.660 | 0.992 | |
| | nmol/l | 3.09 | 2.47 | 3.71 | Vitros ECi |
| | ng/ml | 0.967 | 0.773 | 1.16 | |
| nmol/l | 3.42 | 2.74 | 4.10 | Roche Cobas 4000/e411 (Prog. II) | |
| ng/ml | 1.07 | 0.858 | 1.28 | | |
| nmol/l | 3.62 | 2.90 | 4.34 | Roche Cobas 6000/8000 (Prog. II) | |
| ng/ml | 1.13 | 0.908 | 1.35 | | |
| nmol/l | 2.88 | 2.30 | 3.46 | Diasorin Liaison | |
| ng/ml | 0.901 | 0.720 | 1.08 | | |
| nmol/l | 1.92 | 1.54 | 2.30 | SNIBE Maglumi Analysers | |
| ng/ml | 0.601 | 0.482 | 0.720 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods | |
|--------------|--------------|--------|-------|-------|--|------------------|
| | | | low | high | | |
| Progesterone | nmol/l | 3.26 | 2.61 | 3.91 | Beckman Dxl Prog DE Cal A80773 | |
| | ng/ml | 1.02 | 0.817 | 1.22 | | |
| | nmol/l | 2.79 | 1.53 | 4.05 | Siemens Centaur CP | |
| | ng/ml | 0.873 | 0.480 | 1.27 | | |
| | nmol/l | 3.55 | 2.84 | 4.26 | Roche Cobas 6000/8000 (Prog. III) | |
| | ng/ml | 1.11 | 0.889 | 1.33 | | |
| | nmol/l | 3.22 | 2.58 | 3.86 | Roche Elecsys (Prog. III) | |
| | ng/ml | 1.01 | 0.808 | 1.21 | | |
| | nmol/l | 3.47 | 2.78 | 4.16 | Roche Cobas 4000/e411 (Prog. III) | |
| | ng/ml | 1.09 | 0.870 | 1.31 | | |
| | nmol/l | 3.69 | 2.95 | 4.43 | Roche Modular E170 (Prog. III) | |
| | ng/ml | 1.15 | 0.923 | 1.38 | | |
| | Prolactin | µU/ml | 162 | 130 | 194 | Abbott Architect |
| | | µU/ml | 161 | 129 | 193 | BioMerieux Vidas |
| µU/ml | | 150 | 105 | 195 | Siemens Centaur XP/XPT/Classic | |
| µU/ml | | 145 | 116 | 174 | Siemens Immulite 2000/2500 | |
| µU/ml | | 163 | 130 | 196 | Siemens Immulite 1000 | |
| µU/ml | | 145 | 116 | 174 | Beckman Dxl800 | |
| µU/ml | | 162 | 130 | 194 | Roche Elecsys | |
| µU/ml | | 172 | 138 | 206 | Diasorin Liaison | |
| µU/ml | | 153 | 122 | 184 | Roche Modular E170 | |
| µU/ml | | 148 | 118 | 178 | Beckman Access | |
| µU/ml | | 177 | 142 | 212 | Tosoh Series | |
| µU/ml | | 184 | 147 | 221 | Vitros ECi | |
| µU/ml | | 155 | 124 | 186 | Roche Elecsys/E170/Cobas 6000/8000 PRLII | |
| µU/ml | | 175 | 140 | 210 | Immunotech IRMA | |
| µU/ml | | 160 | 128 | 192 | Roche Cobas E411 | |
| µU/ml | | 155 | 124 | 186 | Roche Cobas 6000/8000 | |
| µU/ml | | 179 | 143 | 215 | SNIBE Maglumi Analysers | |
| µU/ml | | 187 | 150 | 224 | Fujirebio Lumipulse G Series | |
| µU/ml | | 160 | 128 | 192 | Abbott Architect restandardised | |
| µU/ml | | 141 | 98.7 | 183 | Siemens Centaur CP | |
| PSA Free | ng/ml = µg/l | 1.40 | 1.05 | 1.75 | Abbott Architect | |
| | ng/ml = µg/l | 1.82 | 1.37 | 2.28 | BioMerieux Vidas | |
| | ng/ml = µg/l | 1.72 | 1.29 | 2.15 | Siemens Centaur XP/XPT/Classic | |
| | ng/ml = µg/l | 1.12 | 0.840 | 1.40 | Siemens Dimension | |
| | ng/ml = µg/l | 1.44 | 1.08 | 1.80 | Siemens Immulite 2000/2500 | |
| | ng/ml = µg/l | 1.27 | 0.953 | 1.59 | Siemens Immulite 1000 | |
| | ng/ml = µg/l | 2.00 | 1.50 | 2.50 | Beckman DXI standardised to Hybritech | |
| | ng/ml = µg/l | 1.50 | 1.13 | 1.88 | Roche Elecsys | |
| | ng/ml = µg/l | 0.409 | 0.307 | 0.511 | Diasorin Liaison | |
| | ng/ml = µg/l | 1.51 | 1.13 | 1.89 | Roche Modular E170 | |
| | ng/ml = µg/l | 2.09 | 1.57 | 2.61 | Beckman Access standardised to Hybritech | |
| | ng/ml = µg/l | 1.42 | 1.07 | 1.78 | Tosoh Series | |
| | ng/ml = µg/l | 1.53 | 1.15 | 1.91 | Roche Cobas E411 | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|----------------|--------------|--------|-------|-----------------------------------|--|
| | | | low | high | |
| PSA Free | ng/ml = µg/l | 1.50 | 1.13 | 1.88 | Roche Cobas 6000/8000 |
| | ng/ml = µg/l | 1.64 | 1.23 | 2.05 | Beckman Dxl800 standardised to WHO IRP96/670 |
| | ng/ml = µg/l | 1.19 | 0.893 | 1.49 | SNIBE Maglumi Analysers |
| | ng/ml = µg/l | 1.34 | 1.01 | 1.68 | Ortho Vitros 3600/5600/ECi PSA II |
| | ng/ml = µg/l | 1.12 | 0.840 | 1.40 | Fujirebio Lumipulse G Series |
| PSA Total | ng/ml = µg/l | 1.62 | 1.22 | 2.03 | Abbott Architect |
| | ng/ml = µg/l | 1.89 | 1.42 | 2.36 | BioMerieux Vidas |
| | ng/ml = µg/l | 1.96 | 1.47 | 2.45 | bioMerieux VIDAS TPSA |
| | ng/ml = µg/l | 1.65 | 1.24 | 2.06 | Siemens Centaur XP/XPT/Classic |
| | ng/ml = µg/l | 1.57 | 1.18 | 1.96 | Siemens Immulite 2000/2500 1st generation |
| | ng/ml = µg/l | 1.66 | 1.25 | 2.08 | Siemens Immulite 2000/2500 3rd generation |
| | ng/ml = µg/l | 1.55 | 1.16 | 1.94 | Siemens Immulite 1000 1st generation |
| | ng/ml = µg/l | 1.67 | 1.25 | 2.09 | Beckman Dxl standardisd to Hybritech |
| | ng/ml = µg/l | 1.48 | 1.11 | 1.85 | Beckman Dxl800 standardised to WHO IRP96/670 |
| | ng/ml = µg/l | 1.88 | 1.41 | 2.35 | Roche Elecsys |
| | ng/ml = µg/l | 0.441 | 0.331 | 0.551 | Diasorin Liaison |
| | ng/ml = µg/l | 1.95 | 1.46 | 2.44 | Roche Modular E170 |
| | ng/ml = µg/l | 1.72 | 1.29 | 2.15 | Beckman Access standardised to Hybritech |
| | ng/ml = µg/l | 1.61 | 1.21 | 2.01 | Beckman Access standardised to WHO IRP96/670 |
| | ng/ml = µg/l | 1.09 | 0.818 | 1.36 | Tosoh Series |
| | ng/ml = µg/l | 1.87 | 1.40 | 2.34 | Vitros ECi |
| | ng/ml = µg/l | 1.96 | 1.47 | 2.45 | CIS RIA Coated tube |
| | ng/ml = µg/l | 1.95 | 1.46 | 2.44 | Roche Cobas E411 |
| | ng/ml = µg/l | 2.01 | 1.51 | 2.51 | Roche Cobas 6000/8000 |
| | ng/ml = µg/l | 2.31 | 1.73 | 2.89 | SNIBE Maglumi Analysers |
| ng/ml = µg/l | 1.37 | 1.03 | 1.71 | Fujirebio Lumipulse G Series | |
| ng/ml = µg/l | 1.90 | 1.43 | 2.38 | Ortho Vitros 3600/5600/ECi PSA II | |
| ng/ml = µg/l | 1.57 | 1.18 | 1.96 | Siemens Centaur CP | |
| Salicylic Acid | mmol/l | 0.362 | 0.290 | 0.434 | Abbott Architect |
| | mg/dl | 5.00 | 4.01 | 5.99 | |
| | mmol/l | 0.286 | 0.230 | 0.340 | Gravimetric |
| | mg/dl | 3.95 | 3.18 | 4.70 | |
| SHBG | nmol/l | 12.0 | 9.60 | 14.4 | Siemens Centaur XP/XPT/Classic |
| | nmol/l | 11.0 | 8.80 | 13.2 | Siemens Immulite 1000 |
| | nmol/l | 11.1 | 8.88 | 13.3 | Siemens Immulite 2000/2500 |
| | nmol/l | 12.4 | 9.92 | 14.9 | Roche Elecsys |
| | nmol/l | 11.9 | 9.52 | 14.3 | Roche Modular E170 |
| | nmol/l | 10.7 | 8.56 | 12.8 | Abbott Architect |
| | nmol/l | 12.0 | 9.60 | 14.4 | Roche Cobas E411 |
| | nmol/l | 11.9 | 9.52 | 14.3 | Roche Cobas 6000/8000 |
| | nmol/l | 11.2 | 8.96 | 13.4 | Beckman Dxl800 |
| | nmol/l | 11.9 | 9.52 | 14.3 | SNIBE Maglumi Analysers |
| T Uptake | %U | 33.4 | 27.4 | 39.4 | Siemens Immulite 2000 |
| Testosterone | nmol/l | 1.74 | 1.39 | 2.09 | Abbott Architect |
| | ng/ml | 0.501 | 0.400 | 0.602 | |
| | ng/dl | 50.1 | 40.0 | 60.2 | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|--------------|--------|--------|-------|----------------------------------|--------------------------------|
| | | | low | high | |
| Testosterone | nmol/l | 1.03 | 0.824 | 1.24 | BioMerieux Vidas |
| | ng/ml | 0.297 | 0.237 | 0.357 | |
| | ng/dl | 29.7 | 23.7 | 35.7 | |
| | nmol/l | 1.53 | 1.22 | 1.84 | CIS RIA Coated tube |
| | ng/ml | 0.441 | 0.351 | 0.531 | |
| | ng/dl | 44.1 | 35.1 | 53.1 | |
| | nmol/l | 1.20 | 0.960 | 1.44 | Siemens Immulite 2000/2500 |
| | ng/ml | 0.346 | 0.276 | 0.416 | |
| | ng/dl | 34.6 | 27.6 | 41.6 | |
| | nmol/l | 1.37 | 1.10 | 1.64 | Siemens Immulite 1000 |
| | ng/ml | 0.395 | 0.317 | 0.473 | |
| | ng/dl | 39.5 | 31.7 | 47.3 | |
| | nmol/l | 1.61 | 1.29 | 1.93 | Beckman Dxl800 |
| | ng/ml | 0.464 | 0.372 | 0.556 | |
| | ng/dl | 46.4 | 37.2 | 55.6 | |
| | nmol/l | 1.68 | 1.34 | 2.02 | Beckman Access |
| | ng/ml | 0.484 | 0.386 | 0.582 | |
| | ng/dl | 48.4 | 38.6 | 58.2 | |
| | nmol/l | 1.12 | 0.896 | 1.34 | Vitros ECI |
| | ng/ml | 0.323 | 0.258 | 0.388 | |
| | ng/dl | 32.3 | 25.8 | 38.8 | |
| | nmol/l | 1.77 | 1.42 | 2.12 | Roche Cobas 6000 Test 2 |
| | ng/ml | 0.510 | 0.409 | 0.611 | |
| | ng/dl | 51.0 | 40.9 | 61.1 | |
| nmol/l | 1.73 | 1.38 | 2.08 | Roche Elecsys Test II | |
| ng/ml | 0.498 | 0.397 | 0.599 | | |
| ng/dl | 49.8 | 39.7 | 59.9 | | |
| nmol/l | 1.80 | 1.44 | 2.16 | Roche Modular E170 Test II | |
| ng/ml | 0.518 | 0.415 | 0.621 | | |
| ng/dl | 51.8 | 41.5 | 62.1 | | |
| nmol/l | 1.81 | 1.45 | 2.17 | Roche Cobas 4000/e411 Test II | |
| ng/ml | 0.521 | 0.418 | 0.624 | | |
| ng/dl | 52.1 | 41.8 | 62.4 | | |
| nmol/l | 1.81 | 1.45 | 2.17 | Abbott Architect 2nd Generation | |
| ng/ml | 0.521 | 0.418 | 0.624 | | |
| ng/dl | 52.1 | 41.8 | 62.4 | | |
| nmol/l | 1.92 | 1.25 | 2.59 | Siemens Centaur CP | |
| ng/ml | 0.553 | 0.359 | 0.747 | | |
| ng/dl | 55.3 | 35.9 | 74.7 | | |
| nmol/l | 1.07 | 0.856 | 1.28 | BioMerieux Vidas Testosterone II | |
| ng/ml | 0.308 | 0.247 | 0.369 | | |
| ng/dl | 30.8 | 24.7 | 36.9 | | |
| nmol/l | 1.54 | 1.00 | 2.08 | Siemens Centaur TST II | |
| ng/ml | 0.444 | 0.289 | 0.599 | | |
| ng/dl | 44.4 | 28.9 | 59.9 | | |
| Theophylline | µmol/l | 33.2 | 23.2 | 43.2 | Siemens Centaur XP/XPT/Classic |
| | µg/ml | 5.98 | 4.19 | 7.77 | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|-----------------------------|---------------|--------|-------|-------|---|
| | | | low | high | |
| Theophylline | µmol/l | 24.2 | 19.4 | 29.0 | Siemens Dimension |
| | µg/ml | 4.36 | 3.50 | 5.22 | |
| | µmol/l | 28.3 | 22.6 | 34.0 | Roche Integra |
| | µg/ml | 5.10 | 4.07 | 6.13 | |
| | µmol/l | 25.2 | 20.2 | 30.2 | Abbott Architect |
| | µg/ml | 4.54 | 3.64 | 5.44 | |
| | µmol/l | 26.6 | 21.3 | 31.9 | Roche Cobas 6000/8000 |
| | µg/ml | 4.79 | 3.84 | 5.74 | |
| | µmol/l | 23.3 | 18.6 | 28.0 | Beckman DxC |
| | µg/ml | 4.20 | 3.35 | 5.05 | |
| | µmol/l | 22.1 | 17.7 | 26.5 | Beckman AU400/600/640/2700/5400 |
| | µg/ml | 3.98 | 3.19 | 4.77 | |
| | µmol/l | 28.3 | 22.6 | 34.0 | Gravimetric |
| | µg/ml | 5.10 | 4.07 | 6.13 | |
| Thyroglobulin | ng/ml | 2.93 | 2.20 | 3.66 | Roche Elecsys |
| | ng/ml | 2.12 | 1.59 | 2.65 | Beckman Dxl800 |
| | ng/ml | 3.07 | 2.30 | 3.84 | Roche Cobas E411 |
| | ng/ml | 2.98 | 2.24 | 3.73 | Roche Cobas 6000/8000 |
| | ng/ml | 2.21 | 1.66 | 2.76 | Beckman Access |
| | ng/ml | 1.32 | 0.990 | 1.65 | SNIBE Maglumi Analysers |
| | ng/ml | 3.24 | 2.43 | 4.05 | Tosoh Series |
| | ng/ml | 2.92 | 2.19 | 3.65 | Roche Cobas 6000 TGII |
| | ng/ml | 2.95 | 2.21 | 3.69 | Roche Elecsys TGII |
| | ng/ml | 2.99 | 2.24 | 3.74 | Roche Cobas 4000/E411 TGII |
| | ng/ml | 2.91 | 2.18 | 3.64 | Roche Modular E170 TGII |
| Thyroid Stimulating Hormone | µU/ml = mIU/l | 0.126 | 0.101 | 0.151 | Abbott Architect |
| | µU/ml = mIU/l | 0.097 | 0.078 | 0.116 | bioMerieux VIDAS TSH |
| | µU/ml = mIU/l | 0.093 | 0.074 | 0.112 | bioMerieux VIDAS TSH3 Ultrasensitive |
| | µU/ml = mIU/l | 0.127 | 0.086 | 0.168 | Siemens Centaur XP/XPT/Classic |
| | µU/ml = mIU/l | 0.122 | 0.083 | 0.161 | Siemens Centaur XP/XPT/Classic 3rd Generation |
| | µU/ml = mIU/l | 0.133 | 0.106 | 0.160 | Siemens Immulite 2000/2500 |
| | µU/ml = mIU/l | 0.145 | 0.116 | 0.174 | Siemens Immulite 1000 |
| | µU/ml = mIU/l | 0.115 | 0.092 | 0.138 | Beckman Dxl800 Fast TSH |
| | µU/ml = mIU/l | 0.110 | 0.088 | 0.132 | Beckman Dxl800 |
| | µU/ml = mIU/l | 0.167 | 0.134 | 0.200 | Roche Elecsys |
| | µU/ml = mIU/l | 0.168 | 0.134 | 0.202 | Diasorin Liaison |
| | µU/ml = mIU/l | 0.170 | 0.136 | 0.204 | Roche Modular E170 |
| | µU/ml = mIU/l | 0.112 | 0.090 | 0.134 | Beckman Access Fast TSH |
| | µU/ml = mIU/l | 0.115 | 0.092 | 0.138 | Beckman Access hyperTSH 3rd Generation |
| | µU/ml = mIU/l | 0.186 | 0.149 | 0.223 | Tosoh Series |
| | µU/ml = mIU/l | 0.248 | 0.198 | 0.298 | Vitros ECi |
| | µU/ml = mIU/l | 0.165 | 0.132 | 0.198 | Roche Cobas E411 |
| | µU/ml = mIU/l | 0.167 | 0.134 | 0.200 | Roche Cobas 6000/8000 |
| | µU/ml = mIU/l | 0.113 | 0.090 | 0.136 | Beckman Dxl800 Hyper TSH |
| | µU/ml = mIU/l | 0.121 | 0.097 | 0.145 | Siemens Dimension Vista LOCI |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Range | | | | | |
|-----------------------------|---------------|--------|-------|------------------------------------|---|
| Analyte | unit | Target | low | high | methods |
| Thyroid Stimulating Hormone | µU/ml = mIU/l | 0.182 | 0.146 | 0.218 | SNIBE Maglumi Analysers |
| | µU/ml = mIU/l | 0.128 | 0.087 | 0.169 | Siemens Centaur XP/XPT/Classic TSH3-Ultra |
| | µU/ml = mIU/l | 0.130 | 0.088 | 0.172 | Siemens Centaur CP |
| | µU/ml = mIU/l | 0.127 | 0.086 | 0.168 | Siemens Centaur CP TSH3-Ultra |
| | µU/ml = mIU/l | 0.111 | 0.089 | 0.133 | Beckman Dxl 600/800 Access (3rd IS) |
| Tobramycin | µmol/l | 4.17 | 3.34 | 5.00 | Gravimetric |
| | µg/ml | 1.95 | 1.56 | 2.34 | |
| Total Beta hCG | mU/ml=IU/l | 5.29 | 4.23 | 6.35 | Abbott Architect |
| | IU/ml | 0.005 | 0.004 | 0.006 | |
| | mU/ml=IU/l | 9.81 | 7.85 | 11.8 | BioMerieux Vidas |
| | IU/ml | 0.010 | 0.008 | 0.012 | |
| | mU/ml=IU/l | 10.0 | 6.00 | 14.0 | Siemens Centaur XP/XPT/Classic |
| | IU/ml | 0.010 | 0.006 | 0.014 | |
| | mU/ml=IU/l | 9.94 | 7.95 | 11.9 | Siemens Dimension |
| | IU/ml | 0.010 | 0.008 | 0.012 | |
| | mU/ml=IU/l | 12.8 | 10.2 | 15.4 | Siemens Immulite 2000 |
| | IU/ml | 0.013 | 0.010 | 0.016 | |
| | mU/ml=IU/l | 12.8 | 10.2 | 15.4 | Siemens Immulite 1000 |
| | IU/ml | 0.013 | 0.010 | 0.016 | |
| | mU/ml=IU/l | 5.94 | 4.75 | 7.13 | Beckman Dxl800 |
| | IU/ml | 0.006 | 0.005 | 0.007 | |
| | mU/ml=IU/l | 4.38 | 3.50 | 5.26 | Diasorin Liaison |
| | IU/ml | 0.004 | 0.004 | 0.004 | |
| | mU/ml=IU/l | 5.55 | 4.44 | 6.66 | Roche Cobas Core EIA |
| | IU/ml | 0.006 | 0.004 | 0.008 | |
| | mU/ml=IU/l | 5.85 | 4.68 | 7.02 | Beckman Access |
| | IU/ml | 0.006 | 0.005 | 0.007 | |
| | mU/ml=IU/l | 9.95 | 7.96 | 11.9 | Tosoh Series |
| | IU/ml | 0.010 | 0.008 | 0.012 | |
| | mU/ml=IU/l | 11.3 | 9.04 | 13.6 | Vitros ECi |
| | IU/ml | 0.011 | 0.009 | 0.013 | |
| | mU/ml=IU/l | 7.14 | 5.71 | 8.57 | Roche STAT (Intact) |
| | IU/ml | 0.007 | 0.006 | 0.008 | |
| | mU/ml=IU/l | 5.68 | 4.54 | 6.82 | Roche hCG+Beta |
| | IU/ml | 0.006 | 0.005 | 0.007 | |
| | mU/ml=IU/l | 6.62 | 5.30 | 7.94 | SNIBE Maglumi Analysers |
| | IU/ml | 0.007 | 0.005 | 0.009 | |
| mU/ml=IU/l | 4.34 | 3.47 | 5.21 | Fujirebio Lumipulse G Series | |
| IU/ml | 0.004 | 0.003 | 0.005 | | |
| mU/ml=IU/l | 5.93 | 4.74 | 7.12 | Beckman Access Total BhCG (5th IS) | |
| IU/ml | 0.006 | 0.005 | 0.007 | | |
| mU/ml=IU/l | 5.92 | 4.74 | 7.10 | Beckman Dxl Total BhCG (5th IS) | |
| IU/ml | 0.006 | 0.005 | 0.007 | | |
| mU/ml=IU/l | 7.46 | 4.48 | 10.4 | Siemens Centaur CP | |
| IU/ml | 0.007 | 0.004 | 0.010 | | |
| Total T3 | nmol/l | 0.655 | 0.491 | 0.819 | Abbott Architect |
| | ng/ml | 0.426 | 0.320 | 0.532 | |
| | ng/dl | 42.6 | 32.0 | 53.2 | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|----------|--------|--------|-------|-------------------------|----------------------------|
| | | | low | high | |
| Total T3 | nmol/l | 0.617 | 0.463 | 0.771 | Siemens Immulite 2000/2500 |
| | ng/ml | 0.402 | 0.301 | 0.503 | |
| | ng/dl | 40.2 | 30.1 | 50.3 | |
| | nmol/l | 0.616 | 0.462 | 0.770 | Siemens Immulite 1000 |
| | ng/ml | 0.401 | 0.301 | 0.501 | |
| | ng/dl | 40.1 | 30.1 | 50.1 | |
| | nmol/l | 0.711 | 0.533 | 0.889 | Beckman DxI800 |
| | ng/ml | 0.463 | 0.347 | 0.579 | |
| | ng/dl | 46.3 | 34.7 | 57.9 | |
| | nmol/l | 1.18 | 0.885 | 1.48 | Roche Elecsys |
| | ng/ml | 0.768 | 0.576 | 0.960 | |
| | ng/dl | 76.8 | 57.6 | 96.0 | |
| | nmol/l | 0.731 | 0.548 | 0.914 | Diasorin Liaison |
| | ng/ml | 0.476 | 0.357 | 0.595 | |
| | ng/dl | 47.6 | 35.7 | 59.5 | |
| | nmol/l | 0.788 | 0.591 | 0.985 | Beckman Access |
| | ng/ml | 0.513 | 0.385 | 0.641 | |
| | ng/dl | 51.3 | 38.5 | 64.1 | |
| | nmol/l | 0.422 | 0.317 | 0.528 | Tosoh Series |
| | ng/ml | 0.275 | 0.206 | 0.344 | |
| | ng/dl | 27.5 | 20.6 | 34.4 | |
| | nmol/l | 0.737 | 0.553 | 0.921 | Vitros ECi |
| | ng/ml | 0.480 | 0.360 | 0.600 | |
| | ng/dl | 48.0 | 36.0 | 60.0 | |
| nmol/l | 0.496 | 0.372 | 0.620 | CIS RIA Coated tube | |
| ng/ml | 0.323 | 0.242 | 0.404 | | |
| ng/dl | 32.3 | 24.2 | 40.4 | | |
| nmol/l | 1.22 | 0.915 | 1.53 | Roche Cobas E411 | |
| ng/ml | 0.794 | 0.596 | 0.992 | | |
| ng/dl | 79.4 | 59.6 | 99.2 | | |
| nmol/l | 1.08 | 0.810 | 1.35 | Roche Cobas 6000/8000 | |
| ng/ml | 0.703 | 0.527 | 0.879 | | |
| ng/dl | 70.3 | 52.7 | 87.9 | | |
| nmol/l | 0.390 | 0.293 | 0.488 | SNIBE Maglumi Analysers | |
| ng/ml | 0.254 | 0.191 | 0.317 | | |
| ng/dl | 25.4 | 19.1 | 31.7 | | |
| nmol/l | 0.521 | 0.391 | 0.651 | Siemens Centaur CP | |
| ng/ml | 0.339 | 0.254 | 0.424 | | |
| ng/dl | 33.9 | 25.4 | 42.4 | | |
| Total T4 | nmol/l | 34.8 | 26.1 | 43.5 | Abbott Architect |
| | µg/dl | 2.71 | 2.04 | 3.38 | |
| | ng/ml | 27.1 | 20.4 | 33.8 | |
| | nmol/l | 32.5 | 24.4 | 40.6 | BioMerieux Vidas |
| | µg/dl | 2.54 | 1.90 | 3.18 | |
| | ng/ml | 25.4 | 19.0 | 31.8 | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|---------------|--------|--------|-------|-------------------------|--------------------------------|
| | | | low | high | |
| Total T4 | nmol/l | 23.2 | 16.2 | 30.2 | Siemens Centaur XP/XPT/Classic |
| | µg/dl | 1.81 | 1.27 | 2.35 | |
| | ng/ml | 18.1 | 12.7 | 23.5 | |
| | nmol/l | 22.7 | 17.0 | 28.4 | Siemens Immulite 2000/2500 |
| | µg/dl | 1.77 | 1.33 | 2.21 | |
| | ng/ml | 17.7 | 13.3 | 22.1 | |
| | nmol/l | 25.0 | 18.8 | 31.3 | Siemens Immulite 1000 |
| | µg/dl | 1.95 | 1.47 | 2.43 | |
| | ng/ml | 19.5 | 14.7 | 24.3 | |
| | nmol/l | 36.2 | 27.2 | 45.3 | Roche Elecsys |
| | µg/dl | 2.82 | 2.12 | 3.52 | |
| | ng/ml | 28.2 | 21.2 | 35.2 | |
| | nmol/l | 28.3 | 21.2 | 35.4 | Diasorin Liaison |
| | µg/dl | 2.21 | 1.65 | 2.77 | |
| | ng/ml | 22.1 | 16.5 | 27.7 | |
| | nmol/l | 23.3 | 17.5 | 29.1 | Beckman Access |
| | µg/dl | 1.82 | 1.37 | 2.27 | |
| | ng/ml | 18.2 | 13.7 | 22.7 | |
| | nmol/l | 24.4 | 18.3 | 30.5 | Tosoh Series |
| | µg/dl | 1.90 | 1.43 | 2.37 | |
| | ng/ml | 19.0 | 14.3 | 23.7 | |
| | nmol/l | 27.8 | 20.9 | 34.8 | Vitros ECi |
| | µg/dl | 2.17 | 1.63 | 2.71 | |
| | ng/ml | 21.7 | 16.3 | 27.1 | |
| nmol/l | 29.0 | 21.8 | 36.3 | CIS RIA Coated tube | |
| µg/dl | 2.26 | 1.70 | 2.82 | | |
| ng/ml | 22.6 | 17.0 | 28.2 | | |
| nmol/l | 36.0 | 27.0 | 45.0 | Roche Cobas E411 | |
| µg/dl | 2.81 | 2.11 | 3.51 | | |
| ng/ml | 28.1 | 21.1 | 35.1 | | |
| nmol/l | 34.1 | 25.6 | 42.6 | Roche Cobas 6000/8000 | |
| µg/dl | 2.66 | 2.00 | 3.32 | | |
| ng/ml | 26.6 | 20.0 | 33.2 | | |
| nmol/l | 29.2 | 21.9 | 36.5 | Immunotech IRMA | |
| µg/dl | 2.28 | 1.71 | 2.85 | | |
| ng/ml | 22.8 | 17.1 | 28.5 | | |
| nmol/l | 32.9 | 24.7 | 41.1 | SNIBE Maglumi Analysers | |
| µg/dl | 2.57 | 1.93 | 3.21 | | |
| ng/ml | 25.7 | 19.3 | 32.1 | | |
| Valproic Acid | µmol/l | 222 | 178 | 266 | Abbott Architect |
| | µg/ml | 32.0 | 25.7 | 38.3 | |
| | µmol/l | 235 | 165 | 305 | Siemens Centaur XP/XPT/Classic |
| | µg/ml | 33.9 | 23.7 | 44.1 | |
| µmol/l | 207 | 166 | 248 | Siemens Dimension | |
| µg/ml | 29.9 | 24.0 | 35.8 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Analyte | unit | Target | Range | | methods |
|---------------|--------|--------|-------|-----------------------------------|---------------------------------|
| | | | low | high | |
| Valproic Acid | µmol/l | 186 | 149 | 223 | Siemens Immulite 2000/2500 |
| | µg/ml | 26.8 | 21.5 | 32.1 | |
| | µmol/l | 195 | 156 | 234 | Siemens Immulite 1000 |
| | µg/ml | 28.1 | 22.5 | 33.7 | |
| | µmol/l | 197 | 158 | 236 | Roche Integra |
| | µg/ml | 28.4 | 22.8 | 34.0 | |
| | µmol/l | 169 | 135 | 203 | Vitros |
| | µg/ml | 24.4 | 19.5 | 29.3 | |
| | µmol/l | 205 | 164 | 246 | Roche Cobas E411 |
| | µg/ml | 29.6 | 23.7 | 35.5 | |
| | µmol/l | 198 | 158 | 238 | Roche Cobas 6000/8000 |
| | µg/ml | 28.6 | 22.8 | 34.4 | |
| | µmol/l | 151 | 121 | 181 | Beckman DxC |
| | µg/ml | 21.8 | 17.5 | 26.1 | |
| | µmol/l | 208 | 166 | 250 | Beckman AU400/600/640/2700/5400 |
| | µg/ml | 30.0 | 24.0 | 36.0 | |
| µmol/l | 215 | 172 | 258 | Siemens ADVIA 1200/1650/1800/2400 | |
| µg/ml | 31.0 | 24.8 | 37.2 | | |
| µmol/l | 243 | 194 | 292 | Gravimetric | |
| µg/ml | 35.1 | 28.0 | 42.1 | | |
| Vancomycin | µmol/l | 3.94 | 3.15 | 4.73 | Roche Integra |
| | µg/ml | 5.85 | 4.68 | 7.02 | |
| | µmol/l | 3.20 | 2.56 | 3.84 | Abbott Architect |
| | µg/ml | 4.75 | 3.80 | 5.70 | |
| | µmol/l | 2.35 | 1.76 | 2.94 | Siemens Centaur XP/XPT/Classic |
| | µg/ml | 3.49 | 2.62 | 4.36 | |
| | µmol/l | 2.85 | 2.28 | 3.42 | Siemens Dimension |
| | µg/ml | 4.23 | 3.39 | 5.07 | |
| µmol/l | 3.35 | 2.68 | 4.02 | Roche Cobas 6000/8000 | |
| µg/ml | 4.98 | 3.98 | 5.98 | | |
| µmol/l | 3.43 | 2.74 | 4.12 | Gravimetric | |
| µg/ml | 5.10 | 4.07 | 6.12 | | |
| Vitamin B12 | pmol/l | 138 | 110 | 166 | Abbott Architect |
| | pg/ml | 187 | 149 | 225 | |
| | pmol/l | 124 | 86.8 | 161 | Siemens Centaur XP/XPT/Classic |
| | pg/ml | 168 | 118 | 218 | |
| | pmol/l | 87.5 | 70.0 | 105 | Beckman Dxl800 |
| | pg/ml | 119 | 94.9 | 143 | |
| | pmol/l | 138 | 110 | 166 | Roche Modular E170 |
| | pg/ml | 187 | 149 | 225 | |
| | pmol/l | 92.3 | 73.8 | 111 | Beckman Access |
| | pg/ml | 125 | 100 | 150 | |
| | pmol/l | 134 | 107 | 161 | Tosoh Series |
| | pg/ml | 182 | 145 | 219 | |
| pmol/l | 144 | 115 | 173 | Vitros ECI | |
| pg/ml | 195 | 156 | 234 | | |

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 1936EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

| Range | | | | | |
|-------------|--------|--------|------|------|-------------------------|
| Analyte | unit | Target | low | high | methods |
| Vitamin B12 | pmol/l | 121 | 96.8 | 145 | MP Biomedicals RIA |
| | pg/ml | 164 | 131 | 197 | |
| | pmol/l | 167 | 134 | 200 | Roche Cobas E411 |
| | pg/ml | 226 | 182 | 270 | |
| | pmol/l | 132 | 106 | 158 | Roche Cobas 6000/8000 |
| | pg/ml | 179 | 144 | 214 | |
| | pmol/l | 114 | 91.2 | 137 | Siemens Dimension |
| | pg/ml | 154 | 124 | 184 | |
| | pmol/l | 158 | 126 | 190 | SNIBE Maglumi Analysers |
| | pg/ml | 214 | 171 | 257 | |
| | pmol/l | 117 | 81.9 | 152 | Siemens Centaur CP |
| | pg/ml | 159 | 111 | 207 | |

**ADDITIONAL VALUES FOR
IMMUNOASSAY PREMIUM PLUS-LEVEL I
(IA PREMIUM PLUS I)
Cat. No. IA 3109/IA3112
Lot. No. 1936EC**

| COMPONENT | UNITS | TARGET | RANGE | METHOD |
|--------------------------------|-----------------|--------|---------------|------------------|
| Free T3 | pmol/l | 3.13 | 2.35 – 3.91 | Siemens Atellica |
| | ng/dl | 0.204 | 0.153 – 0.255 | |
| | pg/ml | 2.04 | 1.53 – 2.55 | |
| PSA Free | ng/ml =µg/l | 1.77 | 1.33 – 2.21 | Siemens Atellica |
| PSA Total | ng/ml =µg/l | 1.79 | 1.34 – 2.24 | Siemens Atellica |
| Thyroid stimulating Hormone | µU/ml =mIU/l | 0.123 | 0.098 – 0.148 | Siemens Atellica |
| Vitamin B12 | pmol/l | 138 | 110 – 166 | Siemens Atellica |
| | pg/ml | 187 | 150 - 224 | |

22 Apr 20 ml