

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112

Lot No. I506EC

Size: 12 x 5 ml / 12 x 5 ml

Expiry: 2018-04

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 assayed within 4 hours of reconstitution, when stored at +2°C to +8°C. 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.

1. 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.
2. Refer to the Control section of the individual analyser application.
3. Refrigerate any unused material. Prior to reuse, mix contents thoroughly.

MATERIALS PROVIDED

Immunoassay Premium Plus - Level 1: 12 x 5 ml Tri-Level: 12 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.

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	4.49	3.37	5.61	Siemens Coat-a-Count
	ng/ml	1.49	1.12	1.86	
	nmol/l	2.76	2.07	3.45	Immunotech RIA
	ng/ml	0.914	0.685	1.14	
	nmol/l	2.99	2.24	3.74	DRG ELISA
	ng/ml	0.990	0.741	1.24	
	nmol/l	3.60	2.70	4.50	DIAsource RIA
	ng/ml	1.19	0.894	1.49	
	nmol/l	2.87	2.15	3.59	IBL ELISA
	ng/ml	0.950	0.712	1.19	
	nmol/l	1.67	1.25	2.09	MP Biomedicals RIA
	ng/ml	0.553	0.414	0.692	
25-OH Vitamin D	nmol/l	51.2	38.4	64.0	Diasorin Liaison
	nmol/l	34.1	25.6	42.6	Siemens Centaur XP/XPT/Classic
	nmol/l	16.4	12.3	20.5	Roche Vitamin D Total
	nmol/l	23.3	17.5	29.1	Abbott Architect
	nmol/l	17.7	13.3	22.1	IDS iSYS
	nmol/l	95.5	71.6	119	Vitros ECI
	nmol/l	37.0	27.8	46.3	Tosoh AIA360
	nmol/l	26.6	20.0	33.3	BioMerieux Vidas
	nmol/l	46.7	35.0	58.4	Beckman Dxl 600/800
	nmol/l	20.2	15.2	25.3	Fujirebio Lumipulse G
	nmol/l	50.0	37.5	62.5	Beckman Access 25 OH Vitamin D Total
ACTH	pmol/l	4.26	3.20	5.33	Siemens Immulite 2000/2500
	pg/ml	19.4	14.5	24.3	
	pmol/l	5.45	4.09	6.81	Roche Cobas E411
	pg/ml	24.8	18.6	31.0	
	pmol/l	5.59	4.19	6.99	Roche Cobas 6000/8000
	pg/ml	25.4	19.0	31.8	
	pmol/l	15.4	11.6	19.3	CIS IRMA
	pg/ml	70.0	52.7	87.3	
	pmol/l	4.77	3.58	5.96	Siemens Immulite 1000
	pg/ml	21.7	16.3	27.1	
	pmol/l	4.82	3.62	6.03	Roche Elecsys
	pg/ml	21.9	16.5	27.3	
	pmol/l	4.73	3.55	5.91	Roche Modular E170
	pg/ml	21.5	16.1	26.9	
Alphafoetoprotein	KIU/l = IU/ml	11.6	9.28	13.9	Abbott Architect
	ng/ml	14.0	11.2	16.8	
	KIU/l = IU/ml	11.4	9.12	13.7	BioMerieux Vidas
	ng/ml	13.8	11.0	16.6	
	KIU/l = IU/ml	13.2	10.4	16.0	Siemens Centaur XP/XPT/Classic
	ng/ml	16.0	12.6	19.4	

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Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	11.6	9.28	13.9	Siemens Immulite 2000/2500
	ng/ml	14.0	11.2	16.8	
	KIU/l = IU/ml	12.6	10.1	15.1	Siemens Immulite 1000
	ng/ml	15.2	12.2	18.2	
	KIU/l = IU/ml	12.0	9.60	14.4	Beckman Dxl800
	ng/ml	14.5	11.6	17.4	
	KIU/l = IU/ml	12.8	10.2	15.4	Roche Elecsys
	ng/ml	15.5	12.3	18.7	
	KIU/l = IU/ml	14.2	11.4	17.0	Diasorin Liaison
	ng/ml	17.2	13.8	20.6	
	KIU/l = IU/ml	13.0	10.4	15.6	Roche Modular E170
	ng/ml	15.7	12.6	18.8	
	KIU/l = IU/ml	12.2	9.76	14.6	Beckman Access
	ng/ml	14.8	11.8	17.8	
	KIU/l = IU/ml	12.7	10.2	15.2	Tosoh AIA360
	ng/ml	15.4	12.3	18.5	
	KIU/l = IU/ml	12.5	10.0	15.0	Vitros ECI
	ng/ml	15.1	12.1	18.1	
	KIU/l = IU/ml	13.7	11.0	16.4	Brahms Kryptor
	ng/ml	16.6	13.3	19.9	
Amikacin	KIU/l = IU/ml	13.2	10.6	15.8	Roche Cobas 6000/8000
	ng/ml	16.0	12.8	19.2	
	KIU/l = IU/ml	21.1	16.9	25.3	CIS IRMA
	ng/ml	25.5	20.4	30.6	
	KIU/l = IU/ml	13.1	10.5	15.7	Roche Cobas E411
	ng/ml	15.9	12.7	19.1	
Androstenedione	KIU/l = IU/ml	12.9	10.3	15.5	Siemens Dimension
	ng/ml	15.6	12.5	18.7	
	KIU/l = IU/ml	12.5	9.88	15.1	Siemens Centaur CP
	ng/ml	15.1	11.9	18.3	
	µmol/l	6.31	5.05	7.57	Roche Integra
	µg/ml	3.70	2.96	4.44	
Beta-2-microglobulin	µmol/l	7.10	5.68	8.52	Roche Cobas 6000/8000
	µg/ml	4.16	3.33	4.99	
	µmol/l	6.40	5.12	7.68	Gravimetric
	µg/ml	3.75	3.00	4.50	
	nmol/l	4.42	3.32	5.53	Siemens Immulite 2000
	ng/ml	1.27	0.953	1.59	
Beta-2-microglobulin	µg/ml = mg/l	1.02	0.816	1.22	Abbott AXSYM
	µg/ml = mg/l	1.12	0.896	1.34	Abbott Architect
	µg/ml = mg/l	1.08	0.864	1.30	Beckman Immage
	µg/ml = mg/l	1.06	0.848	1.27	BioMerieux Vidas
	µg/ml = mg/l	1.01	0.808	1.21	Behring Nephelometer
	µg/ml = mg/l	1.19	0.952	1.43	Roche Tinaquant
	µg/ml = mg/l	1.06	0.848	1.27	Siemens Immulite 2000/2500

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Analyte	unit	Target	low	high	methods
Beta-2-microglobulin	µg/ml = mg/l	1.22	0.976	1.46	Siemens Immulite 1000
	µg/ml = mg/l	0.887	0.710	1.06	Diasorin Liaison
	µg/ml = mg/l	1.08	0.864	1.30	Tosoh AIA360
	µg/ml = mg/l	1.13	0.904	1.36	Immunotech RIA
	µg/ml = mg/l	1.06	0.848	1.27	Roche Cobas E411
	µg/ml = mg/l	1.12	0.896	1.34	Roche Cobas 6000/8000
	µg/ml = mg/l	1.24	0.992	1.49	Roche Modular E170
	µg/ml = mg/l	1.05	0.840	1.26	Siemens Dimension
	µg/ml = mg/l	0.835	0.668	1.00	Siemens ADVIA 1200/1650/1800/2400
C-Peptide	nmol/l	0.382	0.287	0.478	Siemens Immulite 2000/2500
	ng/ml	1.15	0.866	1.43	
	nmol/l	0.569	0.427	0.711	Roche Elecsys
	ng/ml	1.72	1.29	2.15	
	nmol/l	0.568	0.426	0.710	Roche Cobas 6000/8000
	ng/ml	1.71	1.29	2.13	
	nmol/l	0.389	0.292	0.486	Siemens Immulite 1000
	ng/ml	1.17	0.882	1.46	
	nmol/l	0.611	0.458	0.764	Diasorin Liaison
	ng/ml	1.84	1.38	2.30	
	nmol/l	0.565	0.424	0.706	Roche Cobas E411
	ng/ml	1.71	1.28	2.14	
	nmol/l	0.547	0.410	0.684	Roche Modular E170
	ng/ml	1.65	1.24	2.06	
	nmol/l	0.406	0.305	0.508	Abbott Architect
	ng/ml	1.23	0.921	1.54	
	nmol/l	0.416	0.291	0.541	Siemens Centaur XP/XPT/Classic
	ng/ml	1.26	0.882	1.64	
	nmol/l	0.252	0.189	0.315	Tosoh AIA360
	ng/ml	0.761	0.571	0.951	
	nmol/l	0.391	0.274	0.508	Siemens Centaur CP
	ng/ml	1.18	0.826	1.53	
CA 15-3	U/ml	23.1	18.5	27.7	Abbott Architect
	U/ml	20.2	16.2	24.2	BioMerieux Vidas
	U/ml	21.6	14.3	28.9	Siemens Centaur XP/XPT/Classic
	U/ml	19.3	15.4	23.2	Siemens Immulite 2000/2500
	U/ml	20.6	16.5	24.7	Siemens Immulite 1000
	U/ml	9.22	7.38	11.1	Beckman DxI800
	U/ml	18.4	14.7	22.1	Roche Elecsys
	U/ml	21.0	16.8	25.2	Diasorin Liaison
	U/ml	19.1	15.3	22.9	Roche Modular E170
	U/ml	9.37	7.50	11.2	Beckman Access
	U/ml	21.2	17.0	25.4	Tosoh AIA360
	U/ml	19.0	15.2	22.8	Vitros ECI
	U/ml	19.1	15.3	22.9	Roche Cobas 6000/8000
	U/ml	19.1	15.3	22.9	Roche Cobas E411
	U/ml	22.8	15.0	30.6	Siemens Centaur CP

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
CA 19-9	U/ml	74.5	59.6	89.4	Abbott Architect
	U/ml	28.0	22.4	33.6	BioMerieux Vidas
	U/ml	29.2	19.3	39.1	Siemens Centaur XP/XPT/Classic
	U/ml	19.6	15.7	23.5	Siemens Immulite 2000/2500
	U/ml	20.8	16.6	25.0	Siemens Immulite 1000
	U/ml	20.8	16.6	25.0	Beckman Dxl800
	U/ml	19.7	15.8	23.6	Roche Elecsys
	U/ml	29.8	23.8	35.8	Diasorin Liaison
	U/ml	20.2	16.2	24.2	Roche Modular E170
	U/ml	21.8	17.4	26.2	Beckman Access
	U/ml	18.8	15.0	22.6	Tosoh AIA360
	U/ml	40.4	32.3	48.5	Vitros ECI
	U/ml	73.7	59.0	88.4	Abbott Architect XR kit
	U/ml	19.9	15.9	23.9	Roche Cobas 6000/8000
	U/ml	20.0	16.0	24.0	Roche Cobas E411
	U/ml	33.2	21.9	44.5	Siemens Centaur CP
CA125	U/ml	32.0	25.6	38.4	Abbott Architect
	U/ml	22.3	17.8	26.8	BioMerieux Vidas
	U/ml	23.9	15.8	32.0	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	23.7	15.6	31.8	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	20.0	16.0	24.0	Siemens Immulite 2000/2500
	U/ml	22.2	17.8	26.6	Siemens Immulite 1000
	U/ml	18.2	14.6	21.8	Beckman Dxl800
	U/ml	21.8	17.4	26.2	Roche Elecsys
	U/ml	27.5	22.0	33.0	Diasorin Liaison
	U/ml	22.5	18.0	27.0	Roche Modular E170
	U/ml	18.6	14.9	22.3	Beckman Access
	U/ml	38.9	31.1	46.7	Tosoh AIA360
	U/ml	20.8	16.6	25.0	Vitros ECI
	U/ml	22.6	18.1	27.1	Roche Cobas E411
	U/ml	22.3	17.8	26.8	Roche Cobas 6000/8000
	U/ml	25.3	16.7	33.9	Siemens Centaur CP CA125 II kit
Carbamazepine	µmol/l	17.3	13.8	20.8	Abbott AXSYM
	µg/ml	4.09	3.26	4.92	
	µmol/l	15.7	12.6	18.8	Abbott Architect
	µg/ml	3.71	2.98	4.44	
	µmol/l	17.3	12.5	22.1	Siemens Centaur XP/XPT/Classic
	µg/ml	4.09	2.94	5.24	
	µmol/l	14.9	11.9	17.9	Siemens Dimension
	µg/ml	3.52	2.81	4.23	
	µmol/l	13.0	10.4	15.6	Siemens Immulite 2000/2500
	µg/ml	3.07	2.46	3.68	
	µmol/l	12.6	10.1	15.1	Siemens Immulite 1000
	µg/ml	2.98	2.39	3.57	
	µmol/l	18.0	14.4	21.6	HPLC
	µg/ml	4.26	3.40	5.12	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	16.0	12.8	19.2	Roche Integra
	µg/ml	3.78	3.03	4.53	
	µmol/l	12.7	10.2	15.2	Vitros
	µg/ml	3.00	2.41	3.59	
	µmol/l	14.6	11.7	17.5	Roche Cobas E411
	µg/ml	3.45	2.77	4.13	
	µmol/l	14.6	11.7	17.5	Roche Cobas 6000/8000
	µg/ml	3.45	2.77	4.13	
	µmol/l	14.0	11.2	16.8	Roche Modular
	µg/ml	3.31	2.65	3.97	
	µmol/l	14.0	11.2	16.8	Beckman DxC
	µg/ml	3.31	2.65	3.97	
	µmol/l	17.0	13.6	20.4	Beckman AU400/600/640/2700/5400
	µg/ml	4.02	3.22	4.82	
	µmol/l	14.1	11.3	16.9	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	3.33	2.67	3.99	
Carcinoembryonic Antigen (CEA)	µmol/l	15.4	12.3	18.4	Gravimetric
	µg/ml	3.63	2.91	4.35	
	ng/ml = µg/l	4.56	3.65	5.47	Abbott Architect
	ng/ml = µg/l	4.10	3.28	4.92	BioMerieux Vidas
	ng/ml = µg/l	4.69	3.10	6.28	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	4.52	3.62	5.42	CIS RIA Coated tube
	ng/ml = µg/l	4.96	3.97	5.95	Siemens Immulite 2000/2500
	ng/ml = µg/l	5.08	4.06	6.10	Siemens Immulite 1000
	ng/ml = µg/l	4.24	3.39	5.09	Beckman Dxl800
	ng/ml = µg/l	4.04	3.23	4.85	Roche Elecsys
	ng/ml = µg/l	4.17	3.34	5.00	Diasorin Liaison
	ng/ml = µg/l	3.94	3.15	4.73	Roche Modular E170
	ng/ml = µg/l	4.35	3.48	5.22	Beckman Access
	ng/ml = µg/l	6.10	4.88	7.32	Tosoh AIA360
	ng/ml = µg/l	5.53	4.42	6.64	Vitros ECi
	ng/ml = µg/l	4.00	3.20	4.80	Roche Cobas 6000/8000
Cortisol	ng/ml = µg/l	4.24	3.39	5.09	Roche Cobas E411
	ng/ml = µg/l	4.03	3.22	4.84	Monobind Inc. ELISA / CLIA
	ng/ml = µg/l	4.60	3.04	6.16	Siemens Centaur CP
	nmol/l	190	143	238	Abbott Architect
	µg/dl	6.84	5.15	8.53	
	nmol/l	125	93.8	156	BioMerieux Vidas
	µg/dl	4.50	3.38	5.62	
	nmol/l	196	129	263	Siemens Centaur XP/XPT/Classic
	µg/dl	7.06	4.66	9.46	
	nmol/l	152	114	190	CIS RIA
	µg/dl	5.47	4.10	6.84	
	nmol/l	188	141	235	Siemens Immulite 2000/2500
	µg/dl	6.77	5.08	8.46	
	nmol/l	200	150	250	Siemens Immulite 1000
	µg/dl	7.20	5.40	9.00	

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Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	183	137	229	Beckman Dxl800
	µg/dl	6.59	4.93	8.25	
	nmol/l	175	131	219	Roche Elecsys
	µg/dl	6.30	4.72	7.88	
	nmol/l	244	183	305	Diasorin Liaison
	µg/dl	8.78	6.59	11.0	
	nmol/l	165	124	206	Roche Modular E170
	µg/dl	5.94	4.46	7.42	
	nmol/l	184	138	230	Beckman Access
	µg/dl	6.62	4.97	8.27	
	nmol/l	172	129	215	Tosoh AIA360
	µg/dl	6.19	4.64	7.74	
	nmol/l	138	104	173	Vitros ECI
	µg/dl	4.97	3.74	6.20	
	nmol/l	170	128	213	Roche Cobas 6000/8000
	µg/dl	6.12	4.61	7.63	
	nmol/l	174	131	218	Roche Cobas E411
	µg/dl	6.26	4.72	7.80	
	nmol/l	134	101	168	Monobind Inc. ELISA / CLIA
	µg/dl	4.82	3.64	6.00	
DHEA-S	nmol/l	470	353	588	Boditech Med Inc i-CHROMA
	µg/dl	16.9	12.7	21.1	
	nmol/l	200	132	268	Siemens Centaur CP
	µg/dl	7.20	4.75	9.65	
	nmol/l	151	113	189	Roche Modular E170 Gen II
	µg/dl	5.44	4.07	6.81	
	nmol/l	162	122	203	Roche Cobas 4000/e411 Gen II
	µg/dl	5.83	4.39	7.27	
	nmol/l	155	116	194	Roche Cobas 6000/8000 Gen II
	µg/dl	5.58	4.18	6.98	
	µmol/l	4.53	3.62	5.44	Abbott Architect
	µmol/l	3.69	2.95	4.43	Siemens Immulite 2000/2500
	µmol/l	3.48	2.78	4.18	Siemens Immulite 1000
	µmol/l	4.48	3.58	5.38	Beckman Dxl800
	µmol/l	5.41	4.33	6.49	Roche Elecsys
	µmol/l	5.45	4.36	6.54	Roche Modular E170
	µmol/l	4.58	3.66	5.50	Beckman Access
	µmol/l	3.38	2.70	4.06	Diasorin Liaison
	µmol/l	3.75	2.44	5.06	Siemens Centaur XP/XPT/Classic
	µmol/l	5.46	4.37	6.55	Roche Cobas E411
Digoxin	µmol/l	5.49	4.39	6.59	Roche Cobas 6000/8000
	nmol/l	0.642	0.514	0.770	Abbott Architect
	ng/ml	0.501	0.401	0.601	
	nmol/l	0.720	0.576	0.864	Behring Emit
	ng/ml	0.562	0.450	0.674	

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Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	0.663	0.530	0.796	BioMerieux Vidas
	ng/ml	0.518	0.414	0.622	
	nmol/l	1.03	0.773	1.29	Siemens Centaur XP/XPT/Classic
	ng/ml	0.804	0.603	1.01	
	nmol/l	0.804	0.643	0.965	Siemens Dimension
	ng/ml	0.628	0.502	0.754	
	nmol/l	0.765	0.612	0.918	Siemens Immulite 2000/2500
	ng/ml	0.597	0.478	0.716	
	nmol/l	0.730	0.584	0.876	Siemens Immulite 1000
	ng/ml	0.570	0.456	0.684	
	nmol/l	0.790	0.632	0.948	Beckman Dxl800
	ng/ml	0.617	0.494	0.740	
	nmol/l	0.955	0.764	1.15	Roche Elecsys
	ng/ml	0.746	0.597	0.895	
	nmol/l	0.788	0.630	0.946	Roche Integra
	ng/ml	0.615	0.492	0.738	
	nmol/l	0.859	0.687	1.03	Roche Modular E170
	ng/ml	0.671	0.537	0.805	
	nmol/l	0.768	0.614	0.922	Vitros
	ng/ml	0.600	0.480	0.720	
	nmol/l	0.950	0.760	1.14	Roche Cobas E411
	ng/ml	0.742	0.594	0.890	
	nmol/l	0.914	0.731	1.10	Roche Cobas 6000/8000
	ng/ml	0.714	0.571	0.857	
	nmol/l	0.810	0.648	0.972	Beckman DxC
	ng/ml	0.633	0.506	0.760	
	nmol/l	1.15	0.920	1.38	Beckman AU400/600/640/2700/5400
	ng/ml	0.898	0.719	1.08	
	nmol/l	0.702	0.562	0.842	Siemens ADVIA 1200/1650/1800/2400
	ng/ml	0.548	0.439	0.657	
	nmol/l	0.904	0.723	1.08	Roche Cobas 4000/E411
	ng/ml	0.706	0.565	0.847	
	nmol/l	0.896	0.720	1.08	Gravimetric
	ng/ml	0.700	0.560	0.840	
Ethosuximide	µmol/l	226	180	271	Gravimetric
	µg/ml	32.0	25.5	38.4	
Ferritin	ng/ml = µg/l	13.7	11.0	16.4	Abbott Architect
	ng/ml = µg/l	11.0	8.80	13.2	BioMerieux Vidas
	ng/ml = µg/l	15.0	12.0	18.0	Roche Tinaquant
	ng/ml = µg/l	14.6	11.0	18.2	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	12.9	10.3	15.5	Siemens Dimension
	ng/ml = µg/l	13.7	11.0	16.4	Siemens Immulite 2000/2500
	ng/ml = µg/l	13.2	10.6	15.8	Siemens Immulite 1000
	ng/ml = µg/l	9.54	7.63	11.4	Beckman Dxl800
	ng/ml = µg/l	13.7	11.0	16.4	Roche Elecsys
	ng/ml = µg/l	12.9	10.3	15.5	Diasorin Liaison

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Ferritin	ng/ml = µg/l	14.0	11.2	16.8	Roche Modular E170
	ng/ml = µg/l	9.15	7.32	11.0	Beckman Access
	ng/ml = µg/l	9.25	7.40	11.1	Tosoh AIA360
	ng/ml = µg/l	11.8	9.44	14.2	Vitros ECI
	ng/ml = µg/l	12.5	10.0	15.0	Immunotech IRMA
	ng/ml = µg/l	13.3	10.6	16.0	Roche Cobas E411
	ng/ml = µg/l	14.6	11.7	17.5	Siemens/Dade Behring Nephelometer
	ng/ml = µg/l	13.0	10.4	15.6	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	12.1	9.08	15.1	Siemens Centaur CP
Folate	nmol/l	5.85	4.45	7.25	Abbott AXSYM
	ng/ml	2.58	1.96	3.20	
	nmol/l	5.78	4.39	7.17	Abbott Architect
	ng/ml	2.55	1.94	3.16	
	nmol/l	14.1	7.76	20.4	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	6.22	3.42	9.02	
	nmol/l	4.79	3.64	5.94	Siemens Immulite 2000
	ng/ml	2.11	1.61	2.61	
	nmol/l	6.22	4.73	7.71	Beckman Dxl800
	ng/ml	2.74	2.09	3.39	
	nmol/l	8.01	6.09	9.93	Roche Elecsys
	ng/ml	3.53	2.69	4.37	
	nmol/l	9.54	7.25	11.8	Roche Modular E170
	ng/ml	4.21	3.20	5.22	
	nmol/l	6.16	4.68	7.64	Beckman Access
	ng/ml	2.72	2.06	3.38	
	nmol/l	8.81	6.70	10.9	Tosoh AIA360
	ng/ml	3.89	2.95	4.83	
	nmol/l	4.48	3.40	5.56	Vitros ECI
	ng/ml	1.98	1.50	2.46	
	nmol/l	4.43	3.37	5.49	MP Biomedicals RIA
	ng/ml	1.95	1.49	2.41	
	nmol/l	7.94	6.03	9.85	Roche Cobas E411
	ng/ml	3.50	2.66	4.34	
	nmol/l	9.42	7.16	11.7	Roche Cobas 6000/8000
	ng/ml	4.15	3.16	5.14	
	nmol/l	13.8	7.59	20.0	Siemens Centaur CP (enhanced kit)
	ng/ml	6.09	3.35	8.83	
Free T3	pmol/l	3.25	2.44	4.06	Abbott Architect
	ng/dl	0.211	0.159	0.263	
	pg/ml	2.12	1.59	2.65	
	pmol/l	4.63	3.47	5.79	BioMerieux Vidas
	ng/dl	0.301	0.226	0.376	
	pg/ml	3.01	2.26	3.76	
	pmol/l	4.97	2.98	6.96	Siemens Centaur XP/XPT/Classic
	ng/dl	0.323	0.194	0.452	
	pg/ml	3.24	1.94	4.54	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	4.45	3.34	5.56	Siemens Immulite 2000/2500
	ng/dl	0.289	0.217	0.361	
	pg/ml	2.90	2.17	3.63	
	pmol/l	4.45	3.34	5.56	Siemens Immulite 1000
	ng/dl	0.289	0.217	0.361	
	pg/ml	2.90	2.17	3.63	
	pmol/l	4.71	3.53	5.89	Beckman Dxl800
	ng/dl	0.306	0.229	0.383	
	pg/ml	3.07	2.30	3.84	
	pmol/l	5.45	4.09	6.81	Roche Elecsys
	ng/dl	0.354	0.266	0.442	
	pg/ml	3.55	2.66	4.44	
	pmol/l	4.24	3.18	5.30	Diasorin Liaison
	ng/dl	0.276	0.207	0.345	
	pg/ml	2.76	2.07	3.45	
	pmol/l	5.30	3.98	6.63	Roche Modular E170
	ng/dl	0.345	0.259	0.431	
	pg/ml	3.45	2.59	4.31	
	pmol/l	4.84	3.63	6.05	Beckman Access
	ng/dl	0.315	0.236	0.394	
	pg/ml	3.15	2.36	3.94	
	pmol/l	5.00	3.75	6.25	Tosoh AIA360
	ng/dl	0.325	0.244	0.406	
	pg/ml	3.26	2.44	4.08	
	pmol/l	11.0	8.25	13.8	Vitros ECI
	ng/dl	0.715	0.536	0.894	
	pg/ml	7.16	5.37	8.95	
	pmol/l	5.48	4.11	6.85	Roche Cobas E411
	ng/dl	0.356	0.267	0.445	
	pg/ml	3.57	2.68	4.46	
	pmol/l	5.33	4.00	6.66	Roche Cobas 6000/8000
	ng/dl	0.346	0.260	0.432	
	pg/ml	3.47	2.60	4.34	
	pmol/l	4.63	3.47	5.79	Siemens Dimension Vista LOCI
	ng/dl	0.301	0.226	0.376	
	pg/ml	3.01	2.26	3.76	
	pmol/l	5.12	3.07	7.17	Siemens Centaur CP
	ng/dl	0.333	0.200	0.466	
	pg/ml	3.33	2.00	4.66	
Free T4	pmol/l	12.3	9.23	15.4	Abbott Architect
	ng/dl	0.959	0.720	1.20	
	pg/ml	9.59	7.20	12.0	
	pmol/l	16.5	12.4	20.6	BioMerieux Vidas
	ng/dl	1.29	0.967	1.61	
	pg/ml	12.9	9.67	16.1	
	pmol/l	11.2	8.40	14.0	Siemens Centaur XP/XPT/Classic
	ng/dl	0.874	0.655	1.09	
	pg/ml	8.74	6.55	10.9	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	16.8	12.6	21.0	CIS RIA Coated tube
	ng/dl	1.31	0.983	1.64	
	pg/ml	13.1	9.83	16.4	
	pmol/l	16.9	12.7	21.1	Siemens Immulite 2000/2500
	ng/dl	1.32	0.991	1.65	
	pg/ml	13.2	9.91	16.5	
	pmol/l	15.9	11.9	19.9	Siemens Immulite 1000
	ng/dl	1.24	0.928	1.55	
	pg/ml	12.4	9.28	15.5	
	pmol/l	13.0	9.75	16.3	Beckman Dxl800
	ng/dl	1.01	0.761	1.26	
	pg/ml	10.1	7.61	12.6	
	pmol/l	17.5	13.1	21.9	Roche Elecsys
	ng/dl	1.37	1.02	1.72	
	pg/ml	13.7	10.2	17.2	
	pmol/l	16.8	12.6	21.0	Diasorin Liaison
	ng/dl	1.31	0.983	1.64	
	pg/ml	13.1	9.83	16.4	
	pmol/l	17.5	13.1	21.9	Roche Modular E170
	ng/dl	1.37	1.02	1.72	
	pg/ml	13.7	10.2	17.2	
	pmol/l	13.8	10.4	17.3	Beckman Access
	ng/dl	1.08	0.811	1.35	
	pg/ml	10.8	8.11	13.5	
	pmol/l	14.0	10.5	17.5	Tosoh AIA360
	ng/dl	1.09	0.819	1.36	
	pg/ml	10.9	8.19	13.6	
	pmol/l	29.4	22.1	36.8	Vitros ECI
	ng/dl	2.29	1.72	2.86	
	pg/ml	22.9	17.2	28.6	
	pmol/l	17.4	13.1	21.8	Roche Cobas 6000/8000
	ng/dl	1.36	1.02	1.70	
	pg/ml	13.6	10.2	17.0	
	pmol/l	14.1	10.6	17.6	Immunotech IRMA
	ng/dl	1.10	0.827	1.37	
	pg/ml	11.0	8.27	13.7	
	pmol/l	17.4	13.1	21.8	Roche Cobas E411
	ng/dl	1.36	1.02	1.70	
	pg/ml	13.6	10.2	17.0	
	pmol/l	16.2	12.2	20.3	ELISA
	ng/dl	1.26	0.952	1.57	
	pg/ml	12.6	9.52	15.7	
	pmol/l	14.4	10.8	18.0	Siemens Dimension Vista LOCI
	ng/dl	1.12	0.842	1.40	
	pg/ml	11.2	8.42	14.0	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	11.6	8.70	14.5	Adaltis EIAgen
	ng/dl	0.905	0.679	1.13	
	pg/ml	9.05	6.79	11.3	
	pmol/l	11.8	8.85	14.8	Siemens Centaur CP
	ng/dl	0.920	0.690	1.15	
	pg/ml	9.20	6.90	11.5	
FSH	mU/ml	5.20	4.16	6.24	Abbott Architect
	mU/ml	6.64	5.31	7.97	BioMerieux Vidas
	mU/ml	9.12	6.38	11.9	Siemens Centaur XP/XPT/Classic
	mU/ml	6.59	5.27	7.91	Siemens Immulite 2000/2500
	mU/ml	6.80	5.44	8.16	Siemens Immulite 1000
	mU/ml	6.19	4.95	7.43	Beckman Dxl800
	mU/ml	6.10	4.88	7.32	Roche/BM Elecsys
	mU/ml	7.29	5.83	8.75	Diasorin Liaison
	mU/ml	5.80	4.64	6.96	Roche Modular E170
	mU/ml	6.27	5.02	7.52	Beckman Access
	mU/ml	6.93	5.54	8.32	Tosoh AIA360
	mU/ml	5.11	4.09	6.13	Vitros ECI
	mU/ml	6.17	4.94	7.40	Roche Cobas E411
	mU/ml	5.85	4.68	7.02	Roche Cobas 6000/8000
	mU/ml	6.23	4.98	7.48	Immunotech IRMA
	mU/ml	6.21	4.97	7.45	Boditech Med Inc i-CHROMA
	mU/ml	6.60	4.62	8.58	Siemens Centaur CP
Gentamicin	µmol/l	5.08	4.06	6.10	Roche Integra
	µg/ml	2.43	1.94	2.92	
	µmol/l	4.24	3.05	5.43	Siemens Centaur XP/XPT/Classic
	µg/ml	2.03	1.46	2.60	
	µmol/l	4.65	3.72	5.58	Siemens Dimension Vista
	µg/ml	2.22	1.78	2.66	
	µmol/l	3.99	3.19	4.79	Roche Cobas 6000/8000
	µg/ml	1.91	1.52	2.30	
	µmol/l	4.85	3.88	5.82	Gravimetric
Growth Hormone (GH)	µg/ml	2.32	1.85	2.78	
	µU/ml	3.05	2.44	3.66	CIS IRMA
	ng/ml	1.02	0.813	1.23	
	µU/ml	5.55	4.44	6.66	Siemens Immulite 2000/2500
	ng/ml	1.85	1.48	2.22	
	µU/ml	5.44	4.35	6.53	Siemens Immulite 1000
	ng/ml	1.81	1.45	2.17	
	µU/ml	4.07	3.26	4.88	Beckman Dxl800
	ng/ml	1.36	1.09	1.63	
	µU/ml	8.19	6.55	9.83	Roche Elecsys
	ng/ml	2.73	2.18	3.28	
	µU/ml	8.87	7.10	10.6	Roche Modular E170
	ng/ml	2.95	2.36	3.54	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Growth Hormone (GH)	µU/ml	4.00	3.20	4.80	Beckman Access
	ng/ml	1.33	1.07	1.59	
	µU/ml	5.48	4.38	6.58	Tosoh AIA360
	ng/ml	1.82	1.46	2.18	
	µU/ml	3.97	3.18	4.76	Diasorin Liaison
	ng/ml	1.32	1.06	1.58	
	µU/ml	8.39	6.71	10.1	Roche Cobas E411
	ng/ml	2.79	2.23	3.35	
Immunoglobulin E	µU/ml	8.41	6.73	10.1	Roche Cobas 6000/8000
	ng/ml	2.80	2.24	3.36	
	µU/ml	4.57	3.66	5.48	IDS iSYS
	ng/ml	1.52	1.22	1.82	
	KIU/I = IU/ml	271	217	325	Abbott Architect
	KIU/I = IU/ml	218	174	262	BioMerieux Vidas
	KIU/I = IU/ml	211	127	295	Siemens Centaur XP/XPT/Classic
	KIU/I = IU/ml	261	209	313	Siemens Immulite 2000/2500
	KIU/I = IU/ml	275	220	330	Siemens Immulite 1000
	KIU/I = IU/ml	213	170	256	Beckman Dxl800
	KIU/I = IU/ml	232	186	278	Roche Elecsys
	KIU/I = IU/ml	204	163	245	Pharmacia Unicap
	KIU/I = IU/ml	237	190	284	Roche Modular E170
	KIU/I = IU/ml	207	166	248	Beckman Access
	KIU/I = IU/ml	238	190	286	Tosoh AIA360
	KIU/I = IU/ml	238	190	286	Roche Cobas E411
Insulin	KIU/I = IU/ml	238	190	286	Roche Cobas 6000/8000
	KIU/I = IU/ml	258	206	310	Monobind Inc. ELISA / CLIA
	KIU/I = IU/ml	215	129	301	Siemens Centaur CP
	KIU/I = IU/ml	284	227	341	DSI EIA
	mU/I	1.54	1.16	1.93	Siemens Centaur XP/XPT/Classic
	mU/I	2.24	1.68	2.80	Siemens Immulite 1000
	mU/I	0.880	0.660	1.10	Roche Modular E170
	mU/I	0.884	0.663	1.11	Roche Elecsys
	mU/I	0.568	0.426	0.710	Beckman Access
	mU/I	0.748	0.561	0.935	Abbott Architect
	mU/I	1.15	0.863	1.44	Tosoh AIA360
	mU/I	0.927	0.695	1.16	Roche Cobas E411
	mU/I	0.532	0.399	0.665	Beckman Dxl 600/800
Luteinising Hormone (LH)	mU/I	0.868	0.651	1.09	Roche Cobas 6000/8000
	mU/I	3.23	2.42	4.04	Diasource IRMA
	mU/I	1.34	1.01	1.68	Siemens Centaur CP
	mU/ml	2.10	1.68	2.52	Abbott Architect
	mU/ml	2.62	2.10	3.14	BioMerieux Vidas
	mU/ml	2.89	2.17	3.61	Siemens Centaur XP/XPT/Classic
	mU/ml	5.24	4.19	6.29	Siemens Immulite 2000
	mU/ml	5.62	4.50	6.74	Siemens Immulite 1000
	mU/ml	1.49	1.19	1.79	Beckman Dxl800

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Luteinising Hormone (LH)	mU/ml	3.16	2.53	3.79	Roche Elecsys
	mU/ml	3.57	2.86	4.28	Diasorin Liaison
	mU/ml	3.15	2.52	3.78	Roche Modular E170
	mU/ml	1.46	1.17	1.75	Beckman Access
	mU/ml	2.60	2.08	3.12	Tosoh AIA360
	mU/ml	5.85	4.68	7.02	Vitros ECI
	mU/ml	3.17	2.54	3.80	Roche Cobas E411
	mU/ml	3.14	2.51	3.77	Roche Cobas 6000/8000
	mU/ml	2.72	2.04	3.40	Siemens Centaur CP
Oestradiol	pmol/l	201	161	241	Abbott Architect
	pg/ml	54.7	43.8	65.6	
	pmol/l	246	197	295	BioMerieux Vidas
	pg/ml	66.9	53.6	80.2	
	pmol/l	184	110	258	Siemens Centaur XP/XPT/Classic
	pg/ml	50.0	30.0	70.0	
	pmol/l	140	112	168	Siemens Immulite 2000/2500
	pg/ml	38.1	30.5	45.7	
	pmol/l	187	150	224	Roche Elecsys (Estradiol II)
	pg/ml	50.9	40.8	61.0	
	pmol/l	193	154	232	Roche Modular E170 (Estradiol II)
	pg/ml	52.5	41.9	63.1	
	pmol/l	112	89.6	134	Vitros ECI
	pg/ml	30.5	24.4	36.6	
	pmol/l	191	153	229	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	52.0	41.6	62.4	
	pmol/l	195	156	234	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	53.0	42.4	63.6	
	pmol/l	187	112	262	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	50.9	30.5	71.3	
	pmol/l	194	116	272	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	52.8	31.7	73.9	
	pmol/l	196	118	274	Siemens Centaur CP Enhanced (eE2)
	pg/ml	53.3	32.0	74.6	
	pmol/l	216	173	259	Fujirebio Lumipulse G
	pg/ml	58.8	47.1	70.5	
	pmol/l	176	141	211	Roche Cobas 6000/8000 (Estradiol III)
	pg/ml	47.9	38.4	57.4	
	pmol/l	161	129	193	Roche Elecsys (Estradiol III)
	pg/ml	43.8	35.1	52.5	
	pmol/l	170	136	204	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	46.2	37.0	55.4	
	pmol/l	174	139	209	Roche Modular E170 (Estradiol III)
	pg/ml	47.3	37.8	56.8	
Paracetamol	mmol/l	0.154	0.123	0.185	Roche Integra
	mg/l	23.3	18.6	28.0	
	mmol/l	0.165	0.132	0.198	Vitros
	mg/l	25.0	20.0	30.0	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Paracetamol	mmol/l	0.153	0.122	0.184	Abbott Architect
	mg/l	23.1	18.5	27.7	
	mmol/l	0.118	0.094	0.142	Roche Cobas 6000/8000
	mg/l	17.9	14.2	21.6	
	mmol/l	0.166	0.130	0.200	Gravimetric
	mg/l	25.1	19.7	30.3	
Phenobarbital	µmol/l	35.1	28.1	42.1	Abbott Architect
	µg/ml	8.14	6.52	9.76	
	µmol/l	34.9	27.9	41.9	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	8.10	6.47	9.73	
	µmol/l	35.9	28.7	43.1	Roche Cobas 6000/8000
	µg/ml	8.33	6.66	10.0	
	µmol/l	36.9	29.5	44.3	Siemens Immulite 2000/2500
	µg/ml	8.56	6.84	10.3	
	µmol/l	35.2	28.2	42.2	Roche Modular P-D
	µg/ml	8.17	6.54	9.80	
	µmol/l	28.4	22.7	34.1	Beckman AU400/600/640/2700/5400
	µg/ml	6.59	5.27	7.91	
	µmol/l	40.3	28.2	52.4	Siemens Centaur XP/XPT/Classic
	µg/ml	9.35	6.55	12.2	
	µmol/l	34.8	27.8	41.8	Roche Integra
	µg/ml	8.07	6.45	9.69	
	µmol/l	36.9	29.5	44.3	Siemens Immulite 1000
	µg/ml	8.56	6.84	10.3	
	µmol/l	33.5	26.8	40.2	Beckman DxC
	µg/ml	7.77	6.22	9.32	
	µmol/l	34.5	27.6	41.4	Gravimetric
	µg/ml	8.00	6.40	9.60	
Phenytoin	µmol/l	19.9	15.9	23.9	Abbott Architect
	µg/ml	5.02	4.01	6.03	
	µmol/l	20.2	15.2	25.2	Siemens Centaur XP/XPT/Classic
	µg/ml	5.10	3.83	6.37	
	µmol/l	17.0	13.6	20.4	Siemens Dimension
	µg/ml	4.29	3.43	5.15	
	µmol/l	16.1	12.9	19.3	Siemens Immulite 2000/2500
	µg/ml	4.07	3.26	4.88	
	µmol/l	19.9	15.9	23.9	Siemens Immulite 1000
	µg/ml	5.02	4.01	6.03	
	µmol/l	19.2	15.4	23.0	Roche Integra
	µg/ml	4.85	3.89	5.81	
	µmol/l	16.8	13.4	20.2	Vitros
	µg/ml	4.24	3.38	5.10	
	µmol/l	19.1	15.3	22.9	Roche Cobas E411
	µg/ml	4.82	3.86	5.78	
	µmol/l	19.2	15.4	23.0	Roche Cobas 6000/8000
	µg/ml	4.85	3.89	5.81	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Phenytoin	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	9.86	14.8	Gravimetric
	µg/ml	2.69	2.15	3.23	
Progesterone	nmol/l	3.29	2.63	3.95	Abbott Architect
	ng/ml	1.03	0.823	1.24	
	nmol/l	3.54	2.83	4.25	BioMerieux Vidas
	ng/ml	1.11	0.886	1.33	
	nmol/l	2.54	1.40	3.68	Siemens Centaur XP/XPT/Classic
	ng/ml	0.795	0.437	1.15	
	nmol/l	3.63	2.90	4.36	Siemens Immulite 2000/2500
	ng/ml	1.14	0.908	1.37	
	nmol/l	3.54	2.83	4.25	Siemens Immulite 1000
	ng/ml	1.11	0.886	1.33	
	nmol/l	3.46	2.77	4.15	Beckman Dxl Prog Cal 33555
	ng/ml	1.08	0.867	1.29	
	nmol/l	3.17	2.54	3.80	Roche Elecsys
	ng/ml	0.992	0.795	1.19	
	nmol/l	3.15	2.52	3.78	Roche Modular E170
	ng/ml	0.986	0.789	1.18	
	nmol/l	3.70	2.96	4.44	Beckman Access Prog Cal 33555
	ng/ml	1.16	0.926	1.39	
	nmol/l	4.09	3.27	4.91	Vitros ECI
	ng/ml	1.28	1.02	1.54	
	nmol/l	3.29	2.63	3.95	Roche Cobas E411
	ng/ml	1.03	0.823	1.24	
	nmol/l	3.11	2.49	3.73	Roche Cobas 6000/8000
	ng/ml	0.973	0.779	1.17	
	nmol/l	2.17	1.74	2.60	Diasorin Liaison
	ng/ml	0.679	0.545	0.813	
	nmol/l	2.60	2.08	3.12	Immunotech RIA
	ng/ml	0.814	0.651	0.977	
	nmol/l	2.59	2.07	3.11	Beckman Dxl Prog DE Cal A80773
	ng/ml	0.811	0.648	0.974	
	nmol/l	2.59	1.42	3.76	Siemens Centaur CP
	ng/ml	0.811	0.446	1.18	
Prolactin	µU/ml	122	97.6	146	Abbott Architect
	µU/ml	100	70.0	130	Siemens Centaur XP/XPT/Classic
	µU/ml	153	122	184	Siemens Immulite 2000/2500
	µU/ml	171	137	205	Siemens Immulite 1000
	µU/ml	90.9	72.7	109	Beckman Dxl800
	µU/ml	140	112	168	Roche Elecsys
	µU/ml	111	88.8	133	Diasorin Liaison

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Prolactin	µU/ml	138	110	166	Roche Modular E170
	µU/ml	96.8	77.4	116	Beckman Access
	µU/ml	120	96.0	144	Vitros ECI
	µU/ml	141	113	169	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	129	103	155	Immunotech IRMA
	µU/ml	144	115	173	Roche Cobas E411
	µU/ml	136	109	163	Roche Cobas 6000/8000
	µU/ml	118	94.4	142	Abbott Architect restandardised
	µU/ml	95.9	67.1	125	Siemens Centaur CP
PSA Free	ng/ml = µg/l	1.23	0.923	1.54	Abbott Architect
	ng/ml = µg/l	2.35	1.76	2.94	BioMerieux Vidas
	ng/ml = µg/l	1.28	0.960	1.60	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	0.990	0.743	1.24	Siemens Dimension
	ng/ml = µg/l	1.06	0.795	1.33	Siemens Immulite 2000/2500
	ng/ml = µg/l	1.12	0.840	1.40	Siemens Immulite 1000
	ng/ml = µg/l	1.72	1.29	2.15	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	1.22	0.915	1.53	Roche Elecsys
	ng/ml = µg/l	0.802	0.602	1.00	Diasorin Liaison
	ng/ml = µg/l	1.21	0.908	1.51	Roche Modular E170
	ng/ml = µg/l	1.75	1.31	2.19	Beckman Access standardised to Hybritech
	ng/ml = µg/l	1.14	0.855	1.43	Tosoh AIA360
	ng/ml = µg/l	1.24	0.930	1.55	Roche Cobas E411
	ng/ml = µg/l	1.22	0.915	1.53	Roche Cobas 6000/8000
	ng/ml = µg/l	1.49	1.12	1.86	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.73	1.30	2.16	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	0.935	0.701	1.17	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	0.985	0.739	1.23	Fujirebio Lumipulse G
PSA Total	ng/ml = µg/l	1.75	1.31	2.19	Abbott Architect
	ng/ml = µg/l	1.80	1.35	2.25	BioMerieux Vidas
	ng/ml = µg/l	1.76	1.32	2.20	bioMerieux VIDAS TPSA
	ng/ml = µg/l	1.58	1.19	1.98	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.28	0.960	1.60	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	1.42	1.07	1.78	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	1.25	0.938	1.56	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	1.40	1.05	1.75	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	1.76	1.32	2.20	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	1.54	1.16	1.93	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.99	1.49	2.49	Roche Elecsys
	ng/ml = µg/l	0.910	0.683	1.14	Diasorin Liaison
	ng/ml = µg/l	2.01	1.51	2.51	Roche Modular E170
	ng/ml = µg/l	1.80	1.35	2.25	Beckman Access standardised to Hybritech
	ng/ml = µg/l	1.75	1.31	2.19	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	1.20	0.900	1.50	Tosoh AIA360
	ng/ml = µg/l	2.17	1.63	2.71	CIS RIA Coated tube
	ng/ml = µg/l	1.98	1.49	2.48	Roche Cobas E411
	ng/ml = µg/l	2.02	1.52	2.53	Roche Cobas 6000/8000

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
PSA Total	ng/ml = µg/l	1.55	1.16	1.94	Fujirebio Lumipulse G
	ng/ml = µg/l	1.94	1.46	2.43	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.59	1.19	1.99	Siemens Centaur CP
Salicylic Acid	mmol/l	0.292	0.234	0.350	Roche Integra
	mg/dl	4.03	3.23	4.83	
	mmol/l	0.288	0.230	0.346	Abbott Architect
	mg/dl	3.98	3.18	4.78	
	mmol/l	0.286	0.230	0.340	Gravimetric
	mg/dl	3.95	3.18	4.70	
SHBG	nmol/l	14.8	11.8	17.8	Siemens Centaur XP/XPT/Classic
	nmol/l	12.4	9.92	14.9	Siemens Immulite 1000
	nmol/l	12.8	10.2	15.4	Siemens Immulite 2000/2500
	nmol/l	13.1	10.5	15.7	Roche Elecsys
	nmol/l	12.6	10.1	15.1	Roche Modular E170
	nmol/l	13.5	10.8	16.2	Abbott Architect
	nmol/l	12.9	10.3	15.5	Roche Cobas E411
	nmol/l	12.4	9.92	14.9	Roche Cobas 6000/8000
	nmol/l	12.1	9.68	14.5	Beckman Access
	nmol/l	13.0	10.4	15.6	Beckman Dxl800
T Uptake	%U	36.9	30.3	43.5	Siemens Immulite 2000
Testosterone	nmol/l	2.60	2.08	3.12	Abbott Architect
	ng/ml	0.749	0.599	0.899	
	ng/dl	74.9	59.9	89.9	
	nmol/l	1.95	1.56	2.34	BioMerieux Vidas
	ng/ml	0.562	0.449	0.675	
	ng/dl	56.2	44.9	67.5	
	nmol/l	2.45	1.59	3.31	Siemens Centaur XP/XPT/Classic
	ng/ml	0.706	0.459	0.953	
	ng/dl	70.6	45.9	95.3	
	nmol/l	2.55	2.04	3.06	Siemens Immulite 2000/2500
	ng/ml	0.734	0.588	0.880	
	ng/dl	73.4	58.8	88.0	
	nmol/l	2.58	2.06	3.10	Siemens Immulite 1000
	ng/ml	0.743	0.593	0.893	
	ng/dl	74.3	59.3	89.3	
	nmol/l	2.48	1.98	2.98	Beckman Dxl800
	ng/ml	0.714	0.570	0.858	
	ng/dl	71.4	57.0	85.8	
	nmol/l	2.57	2.06	3.08	Beckman Access
	ng/ml	0.740	0.593	0.887	
	ng/dl	74.0	59.3	88.7	
	nmol/l	2.18	1.74	2.62	Tosoh AIA360
	ng/ml	0.628	0.501	0.755	
	ng/dl	62.8	50.1	75.5	
	nmol/l	1.95	1.56	2.34	Vitros ECi
	ng/ml	0.562	0.449	0.675	
	ng/dl	56.2	44.9	67.5	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	3.03	2.42	3.64	Roche Cobas 6000 Test 2
	ng/ml	0.873	0.697	1.05	
	ng/dl	87.3	69.7	105	
	nmol/l	2.98	2.38	3.58	Roche Elecsys Test II
	ng/ml	0.858	0.685	1.03	
	ng/dl	85.8	68.5	103	
	nmol/l	3.01	2.41	3.61	Roche Modular E170 Test II
	ng/ml	0.867	0.694	1.04	
	ng/dl	86.7	69.4	104	
	nmol/l	2.98	2.38	3.58	Roche Cobas 4000/e411 Test II
	ng/ml	0.858	0.685	1.03	
	ng/dl	85.8	68.5	103	
	nmol/l	2.62	2.10	3.14	Abbott Architect 2nd Generation
	ng/ml	0.755	0.605	0.905	
	ng/dl	75.5	60.5	90.5	
	nmol/l	8.59	6.87	10.3	Boditech Med Inc i-CHROMA
	ng/ml	2.47	1.98	2.96	
	ng/dl	247	198	296	
	nmol/l	2.48	1.61	3.35	Siemens Centaur CP
	ng/ml	0.714	0.464	0.964	
	ng/dl	71.4	46.4	96.4	
	nmol/l	1.92	1.54	2.30	BioMerieux Vidas Testosterone II
	ng/ml	0.553	0.444	0.662	
	ng/dl	55.3	44.4	66.2	
Theophylline	µmol/l	28.4	22.7	34.1	Abbott AXSYM
	µg/ml	5.12	4.09	6.15	
	µmol/l	29.9	20.9	38.9	Siemens Centaur XP/XPT/Classic
	µg/ml	5.39	3.77	7.01	
	µmol/l	26.3	21.0	31.6	Siemens Dimension
	µg/ml	4.74	3.78	5.70	
	µmol/l	28.2	22.6	33.8	Roche Integra
	µg/ml	5.08	4.07	6.09	
	µmol/l	32.4	25.9	38.9	Vitros
	µg/ml	5.84	4.67	7.01	
	µmol/l	27.6	22.1	33.1	Abbott Architect
	µg/ml	4.97	3.98	5.96	
	µmol/l	29.3	23.4	35.2	Roche Cobas 6000/8000
	µg/ml	5.28	4.22	6.34	
	µmol/l	25.5	20.4	30.6	Beckman DxC
	µg/ml	4.60	3.68	5.52	
	µmol/l	26.0	20.8	31.2	Beckman AU400/600/640/2700/5400
	µg/ml	4.69	3.75	5.63	
	µmol/l	28.3	22.6	34.0	Gravimetric
	µg/ml	5.10	4.07	6.13	
Thyroglobulin	ng/ml	2.55	1.91	3.19	Roche Elecsys

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Thyroglobulin	ng/ml	2.62	1.97	3.28	Roche Modular E170
	ng/ml	2.11	1.58	2.64	Beckman Dxl800
	ng/ml	2.61	1.96	3.26	Roche Cobas E411
	ng/ml	2.66	2.00	3.33	Roche Cobas 6000/8000
	ng/ml	2.03	1.52	2.54	Beckman Access
	ng/ml	2.88	2.16	3.60	Tosoh AIA360
	ng/ml	2.66	2.00	3.33	Roche Cobas 6000 TGII
	ng/ml	2.60	1.95	3.25	Roche Elecsys TGII
	ng/ml	2.60	1.95	3.25	Roche Cobas 4000/E411 TGII
	ng/ml	2.58	1.94	3.23	Roche Modular E170 TGII
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.123	0.098	0.148	Abbott Architect
	µU/ml = mIU/l	0.089	0.071	0.107	bioMerieux VIDAS TSH
	µU/ml = mIU/l	0.088	0.070	0.106	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	0.131	0.089	0.173	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	0.220	0.176	0.264	CIS IRMA
	µU/ml = mIU/l	0.123	0.084	0.162	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	0.130	0.104	0.156	Siemens Dimension
	µU/ml = mIU/l	0.128	0.102	0.154	Siemens Immulite 2000/2500
	µU/ml = mIU/l	0.165	0.132	0.198	Siemens Immulite 1000
	µU/ml = mIU/l	0.123	0.098	0.148	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	0.136	0.109	0.163	Beckman Dxl800
	µU/ml = mIU/l	0.166	0.133	0.199	Roche Elecsys
	µU/ml = mIU/l	0.192	0.154	0.230	Diasorin Liaison
	µU/ml = mIU/l	0.170	0.136	0.204	Roche Modular E170
	µU/ml = mIU/l	0.136	0.109	0.163	Beckman Access Fast TSH
	µU/ml = mIU/l	0.133	0.106	0.160	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	0.166	0.133	0.199	Tosoh AIA360
	µU/ml = mIU/l	0.298	0.238	0.358	Vitros ECI
	µU/ml = mIU/l	0.138	0.110	0.166	Beckman Coulter AU3000i
	µU/ml = mIU/l	0.167	0.134	0.200	Roche Cobas E411
	µU/ml = mIU/l	0.168	0.134	0.202	Roche Cobas 6000/8000
	µU/ml = mIU/l	0.126	0.101	0.151	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	0.120	0.096	0.144	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	0.131	0.089	0.173	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	0.135	0.108	0.162	Adaltis EIAgen
	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
Tobramycin	µmol/l	4.17	3.33	5.00	Gravimetric
	µg/ml	1.95	1.56	2.34	
Total Beta hCG	mU/ml=IU/l	16.0	12.8	19.2	Abbott Architect
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	15.5	12.4	18.6	BioMerieux Vidas
	IU/ml	0.016	0.012	0.020	
	mU/ml=IU/l	21.7	13.0	30.4	Siemens Centaur XP/XPT/Classic
	IU/ml	0.022	0.013	0.031	
	mU/ml=IU/l	16.0	12.8	19.2	Siemens Dimension
	IU/ml	0.016	0.013	0.019	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	24.3	19.4	29.2	Siemens Immulite 2000
	IU/ml	0.024	0.019	0.029	
	mU/ml=IU/l	23.5	18.8	28.2	Siemens Immulite 1000
	IU/ml	0.024	0.019	0.029	
	mU/ml=IU/l	18.3	14.6	22.0	Beckman Dxl800
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	14.7	11.8	17.6	Diasorin Liaison
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	14.1	11.3	16.9	Roche Cobas Core EIA
	IU/ml	0.014	0.011	0.017	
	mU/ml=IU/l	17.6	14.1	21.1	Beckman Access
	IU/ml	0.018	0.014	0.022	
	mU/ml=IU/l	18.3	14.6	22.0	Tosoh AIA360
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	17.0	13.6	20.4	Vitros ECI
	IU/ml	0.017	0.014	0.020	
	mU/ml=IU/l	13.5	10.8	16.2	Roche STAT (Intact)
	IU/ml	0.014	0.011	0.017	
	mU/ml=IU/l	14.6	11.7	17.5	Roche hCG+Beta
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	21.0	16.8	25.2	Brahms Kryptor
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	14.8	11.8	17.8	Radiometer AQT90 Flex
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	18.4	14.7	22.1	Beckman Access Total BhCG (5th IS)
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	19.0	15.2	22.8	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	17.4	10.4	24.4	Siemens Centaur CP
	IU/ml	0.017	0.010	0.024	
Total T3	nmol/l	0.930	0.698	1.16	Abbott Architect
	ng/ml	0.605	0.454	0.756	
	ng/dl	60.5	45.4	75.6	
	nmol/l	0.886	0.665	1.11	BioMerieux Vidas
	ng/ml	0.577	0.433	0.721	
	ng/dl	57.7	43.3	72.1	
	nmol/l	0.890	0.668	1.11	Siemens Centaur XP/XPT/Classic
	ng/ml	0.579	0.435	0.723	
	ng/dl	57.9	43.5	72.3	
	nmol/l	0.767	0.575	0.959	Siemens Immulite 2000/2500
	ng/ml	0.499	0.374	0.624	
	ng/dl	49.9	37.4	62.4	
	nmol/l	0.812	0.609	1.02	Siemens Immulite 1000
	ng/ml	0.529	0.396	0.662	
	ng/dl	52.9	39.6	66.2	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	1.23	0.923	1.54	Beckman DxI800
	ng/ml	0.801	0.601	1.00	
	ng/dl	80.1	60.1	100	
	nmol/l	1.80	1.35	2.25	Roche Elecsys
	ng/ml	1.17	0.879	1.46	
	ng/dl	117	87.9	146	
	nmol/l	1.08	0.810	1.35	Diasorin Liaison
	ng/ml	0.703	0.527	0.879	
	ng/dl	70.3	52.7	87.9	
	nmol/l	1.71	1.28	2.14	Roche Modular E170
	ng/ml	1.11	0.833	1.39	
	ng/dl	111	83.3	139	
	nmol/l	1.33	0.998	1.66	Beckman Access
	ng/ml	0.866	0.650	1.08	
	ng/dl	86.6	65.0	108	
	nmol/l	0.860	0.645	1.08	Tosoh AIA360
	ng/ml	0.560	0.420	0.700	
	ng/dl	56.0	42.0	70.0	
	nmol/l	1.33	0.998	1.66	Vitros Eci
	ng/ml	0.866	0.650	1.08	
	ng/dl	86.6	65.0	108	
	nmol/l	0.882	0.662	1.10	CIS RIA Coated tube
	ng/ml	0.574	0.431	0.717	
	ng/dl	57.4	43.1	71.7	
	nmol/l	1.79	1.34	2.24	Roche Cobas E411
	ng/ml	1.17	0.872	1.47	
	ng/dl	117	87.2	147	
	nmol/l	1.72	1.29	2.15	Roche Cobas 6000/8000
	ng/ml	1.12	0.840	1.40	
	ng/dl	112	84.0	140	
	nmol/l	0.918	0.689	1.15	Siemens Centaur CP
	ng/ml	0.598	0.449	0.747	
	ng/dl	59.8	44.9	74.7	
Total T4	nmol/l	46.0	34.5	57.5	Abbott Architect
	µg/dl	3.59	2.69	4.49	
	ng/ml	35.9	26.9	44.9	
	nmol/l	39.8	29.9	49.8	BioMerieux Vidas
	µg/dl	3.10	2.33	3.87	
	ng/ml	31.0	23.3	38.7	
	nmol/l	22.2	15.5	28.9	Siemens Centaur XP/XPT/Classic
	µg/dl	1.73	1.21	2.25	
	ng/ml	17.3	12.1	22.5	
	nmol/l	32.6	24.5	40.8	Siemens Immulite 2000/2500
	µg/dl	2.54	1.91	3.17	
	ng/ml	25.4	19.1	31.7	
	nmol/l	31.2	23.4	39.0	Siemens Immulite 1000
	µg/dl	2.43	1.83	3.03	
	ng/ml	24.3	18.3	30.3	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	28.7	21.5	35.9	Beckman DxI800
	µg/dl	2.24	1.68	2.80	
	ng/ml	22.4	16.8	28.0	
	nmol/l	44.1	33.1	55.1	Roche Elecsys
	µg/dl	3.44	2.58	4.30	
	ng/ml	34.4	25.8	43.0	
	nmol/l	39.2	29.4	49.0	Diasorin Liaison
	µg/dl	3.06	2.29	3.83	
	ng/ml	30.6	22.9	38.3	
	nmol/l	44.2	33.2	55.3	Roche Modular E170
	µg/dl	3.45	2.59	4.31	
	ng/ml	34.5	25.9	43.1	
	nmol/l	31.8	23.9	39.8	Beckman Access
	µg/dl	2.48	1.86	3.10	
	ng/ml	24.8	18.6	31.0	
	nmol/l	31.3	23.5	39.1	Tosoh AIA360
	µg/dl	2.44	1.83	3.05	
	ng/ml	24.4	18.3	30.5	
	nmol/l	32.6	24.5	40.8	Vitros Eci
	µg/dl	2.54	1.91	3.17	
	ng/ml	25.4	19.1	31.7	
	nmol/l	34.7	26.0	43.4	CIS RIA Coated tube
	µg/dl	2.71	2.03	3.39	
	ng/ml	27.1	20.3	33.9	
	nmol/l	44.8	33.6	56.0	Roche Cobas E411
	µg/dl	3.49	2.62	4.36	
	ng/ml	34.9	26.2	43.6	
	nmol/l	44.0	33.0	55.0	Roche Cobas 6000/8000
	µg/dl	3.43	2.57	4.29	
	ng/ml	34.3	25.7	42.9	
	nmol/l	34.3	25.7	42.9	Immunotech IRMA
	µg/dl	2.68	2.00	3.36	
	ng/ml	26.8	20.0	33.6	
	nmol/l	40.1	30.1	50.1	ELISA
	µg/dl	3.13	2.35	3.91	
	ng/ml	31.3	23.5	39.1	
	nmol/l	29.5	20.7	38.3	Siemens Centaur CP
	µg/dl	2.30	1.61	2.99	
	ng/ml	23.0	16.1	29.9	
Valproic Acid	µmol/l	212	170	254	Abbott AXSYM
	µg/ml	30.6	24.5	36.7	
	µmol/l	219	175	263	Abbott Architect
	µg/ml	31.6	25.3	37.9	
	µmol/l	223	178	268	Behring Emit
	µg/ml	32.2	25.7	38.7	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	µmol/l	226	158	294	Siemens Centaur XP/XPT/Classic
	µg/ml	32.6	22.8	42.4	
	µmol/l	215	172	258	Siemens Dimension
	µg/ml	31.0	24.8	37.2	
	µmol/l	188	150	226	Siemens Immulite 2000/2500
	µg/ml	27.1	21.6	32.6	
	µmol/l	198	158	238	Siemens Immulite 1000
	µg/ml	28.6	22.8	34.4	
	µmol/l	207	166	248	Roche Integra
	µg/ml	29.9	24.0	35.8	
	µmol/l	203	162	244	Vitros
	µg/ml	29.3	23.4	35.2	
	µmol/l	195	156	234	Roche Modular P-D
	µg/ml	28.1	22.5	33.7	
	µmol/l	209	167	251	Roche Cobas E411
	µg/ml	30.2	24.1	36.3	
	µmol/l	206	165	247	Roche Cobas 6000/8000
	µg/ml	29.7	23.8	35.6	
	µmol/l	189	151	227	Beckman DxC
	µg/ml	27.3	21.8	32.8	
Vancomycin	µmol/l	209	167	251	Beckman AU400/600/640/2700/5400
	µg/ml	30.2	24.1	36.3	
	µmol/l	214	171	257	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	30.9	24.7	37.1	
	µmol/l	202	141	263	Siemens Centaur CP
	µg/ml	29.1	20.4	37.8	
	µmol/l	243	194	291	Gravimetric
	µg/ml	35.0	28.0	42.0	
	µmol/l	3.74	2.99	4.49	Roche Integra
	µg/ml	5.56	4.44	6.68	
	µmol/l	3.39	2.71	4.07	Ortho Vitros Microslide Systems
	µg/ml	5.04	4.03	6.05	
Vitamin B12	µmol/l	3.09	2.47	3.71	Abbott Architect
	µg/ml	4.59	3.67	5.51	
	µmol/l	2.21	1.66	2.76	Siemens Centaur XP/XPT/Classic
	µg/ml	3.28	2.46	4.10	
	µmol/l	2.78	2.22	3.34	Siemens Dimension
	µg/ml	4.13	3.30	4.96	
	µmol/l	3.11	2.49	3.73	Roche Cobas 6000/8000
	µg/ml	4.62	3.70	5.54	
	µmol/l	2.37	1.90	2.84	Beckman DxC
	µg/ml	3.52	2.82	4.22	
	µmol/l	3.43	2.74	4.12	Gravimetric
	µg/ml	5.10	4.07	6.12	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot No. 1506EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	112	78.4	146	Siemens Centaur XP/XPT/Classic
	pg/ml	152	106	198	
	pmol/l	111	88.8	133	Siemens Immulite 2000
	pg/ml	150	120	180	
	pmol/l	110	88.0	132	Siemens Immulite 1000
	pg/ml	149	119	179	
	pmol/l	84.1	67.3	101	Beckman Dxl800
	pg/ml	114	91.2	137	
	pmol/l	132	106	158	Roche Elecsys
	pg/ml	179	144	214	
	pmol/l	110	88.0	132	Roche Modular E170
	pg/ml	149	119	179	
	pmol/l	87.1	69.7	105	Beckman Access
	pg/ml	118	94.4	142	
	pmol/l	130	104	156	Vitros Eci
	pg/ml	176	141	211	
	pmol/l	140	112	168	Roche Cobas E411
	pg/ml	190	152	228	
	pmol/l	110	88.0	132	Roche Cobas 6000/8000
	pg/ml	149	119	179	
	pmol/l	92.5	74.0	111	Siemens Dimension
	pg/ml	125	100	150	
	pmol/l	92.5	64.8	120	Siemens Centaur CP
	pg/ml	125	87.5	163	