

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112

Lot No. 1507EC

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 2: 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.

Rev. 27 Jan '16 ne

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	9.40	7.05	11.8	CIS RIA Coated tube
	ng/ml	3.11	2.33	3.89	
	nmol/l	8.96	6.72	11.2	Siemens Coat-a-Count
	ng/ml	2.97	2.22	3.72	
	nmol/l	9.31	6.98	11.6	Immunotech RIA
	ng/ml	3.08	2.31	3.85	
	nmol/l	11.9	8.93	14.9	DRG ELISA
	ng/ml	3.94	2.96	4.92	
	nmol/l	10.9	8.18	13.6	DIAsource RIA
	ng/ml	3.61	2.71	4.51	
	nmol/l	14.2	10.7	17.8	IBL ELISA
	ng/ml	4.70	3.54	5.86	
25-OH Vitamin D	nmol/l	7.84	5.88	9.80	MP Biomedicals RIA
	ng/ml	2.60	1.95	3.25	
	nmol/l	51.5	38.6	64.4	Diasorin Liaison
	nmol/l	69.3	52.0	86.6	Siemens Centaur XP/XPT/Classic
	nmol/l	39.5	29.6	49.4	Roche Vitamin D Total
	nmol/l	47.1	35.3	58.9	Abbott Architect
	nmol/l	67.7	50.8	84.6	Vitros Eci
	nmol/l	59.1	44.3	73.9	Tosoh AIA360
	nmol/l	55.7	41.8	69.6	BioMerieux Vidas
	nmol/l	43.1	32.3	53.9	Beckman Dxl 600/800
	nmol/l	43.8	32.9	54.8	Fujirebio Lumipulse G
	nmol/l	44.9	33.7	56.1	Beckman Access 25 OH Vitamin D Total
ACTH	pmol/l	4.46	3.35	5.58	Siemens Immulite 2000/2500
	pg/ml	20.3	15.2	25.4	
	pmol/l	5.05	3.54	6.56	Roche Cobas 6000/8000
	pg/ml	23.0	16.1	29.9	
	pmol/l	4.03	3.02	5.04	Roche Modular E170
	pg/ml	18.3	13.7	22.9	
Aldosterone	pmol/l	509	382	636	Diasorin RIA
	pg/ml	184	138	230	
	pmol/l	455	341	569	Diasorin Liaison
	pg/ml	164	123	205	
Alphafoetoprotein	KIU/l = IU/ml	55.1	44.1	66.1	Abbott Architect
	ng/ml	66.7	53.4	80.0	
	KIU/l = IU/ml	53.2	42.6	63.8	BioMerieux Vidas
	ng/ml	64.4	51.5	77.3	
	KIU/l = IU/ml	61.9	48.9	74.9	Siemens Centaur XP/XPT/Classic
	ng/ml	74.9	59.2	90.6	
	KIU/l = IU/ml	55.2	44.2	66.2	Siemens Immulite 2000/2500
	ng/ml	66.8	53.5	80.1	

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Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	55.6	44.5	66.7	Siemens Immulite 1000
	ng/ml	67.3	53.8	80.8	
	KIU/l = IU/ml	53.4	42.7	64.1	Beckman Dxl800
	ng/ml	64.6	51.7	77.5	
	KIU/l = IU/ml	61.6	49.3	73.9	Roche Elecsys
	ng/ml	74.5	59.7	89.3	
	KIU/l = IU/ml	62.9	50.3	75.5	Diasorin Liaison
	ng/ml	76.1	60.9	91.3	
	KIU/l = IU/ml	60.8	48.6	73.0	Roche Modular E170
	ng/ml	73.6	58.8	88.4	
	KIU/l = IU/ml	55.8	44.6	67.0	Beckman Access
	ng/ml	67.5	54.0	81.0	
	KIU/l = IU/ml	53.3	42.6	64.0	Tosoh AIA360
	ng/ml	64.5	51.5	77.5	
	KIU/l = IU/ml	56.9	45.5	68.3	Vitros ECI
	ng/ml	68.8	55.1	82.5	
	KIU/l = IU/ml	56.3	45.0	67.6	Brahms Kryptor
	ng/ml	68.1	54.5	81.7	
	KIU/l = IU/ml	61.8	49.4	74.2	Roche Cobas 6000/8000
	ng/ml	74.8	59.8	89.8	
Amikacin	KIU/l = IU/ml	75.4	60.3	90.5	CIS IRMA
	ng/ml	91.2	73.0	109	
	KIU/l = IU/ml	62.9	50.3	75.5	Roche Cobas E411
	ng/ml	76.1	60.9	91.3	
Androstenedione	KIU/l = IU/ml	58.8	47.0	70.6	Siemens Dimension
	ng/ml	71.1	56.9	85.3	
	KIU/l = IU/ml	60.3	47.6	73.0	Siemens Centaur CP
	ng/ml	73.0	57.7	88.3	
Beta-2-microglobulin	µmol/l	15.0	12.0	18.0	Roche Integra
	µg/ml	8.78	7.03	10.5	
	µmol/l	15.5	12.4	18.6	Roche Cobas 6000/8000
	µg/ml	9.08	7.26	10.9	
Beta-2-microglobulin	µmol/l	15.3	12.2	18.3	Gravimetric
	µg/ml	8.93	7.14	10.7	
Androstenedione	nmol/l	14.2	10.7	17.8	Siemens Immulite 2000
	ng/ml	4.08	3.07	5.09	
Beta-2-microglobulin	µg/ml = mg/l	3.59	2.87	4.31	Abbott Architect
	µg/ml = mg/l	3.88	3.10	4.66	Beckman Immage
	µg/ml = mg/l	3.54	2.83	4.25	BioMerieux Vidas
	µg/ml = mg/l	3.35	2.68	4.02	Behring Nephelometer
	µg/ml = mg/l	3.41	2.73	4.09	Roche Tinaquant
	µg/ml = mg/l	2.89	2.31	3.47	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.25	2.60	3.90	Siemens Immulite 1000
	µg/ml = mg/l	3.18	2.54	3.82	Diasorin Liaison
	µg/ml = mg/l	3.28	2.62	3.94	Tosoh AIA360
	µg/ml = mg/l	3.59	2.87	4.31	Immunotech RIA

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Range					
Analyte	unit	Target	low	high	methods
Beta-2-microglobulin	µg/ml = mg/l	3.25	2.60	3.90	Roche Cobas 6000/8000
	µg/ml = mg/l	3.44	2.75	4.13	Roche Modular E170
	µg/ml = mg/l	3.44	2.75	4.13	Siemens Dimension
	µg/ml = mg/l	3.09	2.47	3.71	Siemens ADVIA 1200/1650/1800/2400
C-Peptide	nmol/l	1.070	0.803	1.340	Siemens Immulite 2000/2500
	ng/ml	3.23	2.42	4.04	
	nmol/l	1.310	0.983	1.640	Roche Elecsys
	ng/ml	3.95	2.97	4.93	
	nmol/l	1.410	1.060	1.760	Roche Cobas 6000/8000
	ng/ml	4.26	3.20	5.32	
	nmol/l	1.770	1.330	2.210	Diasorin Liaison
	ng/ml	5.34	4.02	6.66	
	nmol/l	1.400	1.050	1.750	Roche Cobas E411
	ng/ml	4.23	3.17	5.29	
	nmol/l	1.320	0.990	1.650	Roche Modular E170
	ng/ml	3.99	2.99	4.99	
	nmol/l	0.990	0.743	1.240	Abbott Architect
	ng/ml	2.99	2.24	3.74	
	nmol/l	1.090	0.818	1.360	Siemens Centaur XP/XPT/Classic
	ng/ml	3.29	2.47	4.11	
	nmol/l	0.797	0.598	0.996	Tosoh AIA360
	ng/ml	2.41	1.81	3.01	
CA 15-3	U/ml	47.9	38.3	57.5	Abbott Architect
	U/ml	40.4	32.3	48.5	BioMerieux Vidas
	U/ml	43.8	29.8	57.8	Siemens Centaur XP/XPT/Classic
	U/ml	43.6	34.9	52.3	Siemens Immulite 2000/2500
	U/ml	50.6	40.5	60.7	Siemens Immulite 1000
	U/ml	20.3	16.2	24.4	Beckman Dxl800
	U/ml	41.1	32.9	49.3	Roche Elecsys
	U/ml	45.7	36.6	54.8	Diasorin Liaison
	U/ml	41.7	33.4	50.0	Roche Modular E170
	U/ml	20.2	16.2	24.2	Beckman Access
	U/ml	49.1	39.3	58.9	Tosoh AIA360
	U/ml	41.0	32.8	49.2	Vitros ECI
	U/ml	42.0	33.6	50.4	Roche Cobas 6000/8000
	U/ml	41.8	33.4	50.2	Roche Cobas E411
	U/ml	45.2	30.7	59.7	Siemens Centaur CP
CA 19-9	U/ml	217	174	260	Abbott Architect
	U/ml	86.5	69.2	104	BioMerieux Vidas
	U/ml	89.4	60.8	118	Siemens Centaur XP/XPT/Classic
	U/ml	69.9	55.9	83.9	Siemens Immulite 2000/2500
	U/ml	76.8	61.4	92.2	Siemens Immulite 1000
	U/ml	65.2	52.2	78.2	Beckman Dxl800
	U/ml	59.6	47.7	71.5	Roche Elecsys
	U/ml	84.5	67.6	101	Diasorin Liaison
	U/ml	60.1	48.1	72.1	Roche Modular E170

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Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
CA 19-9	U/ml	68.4	54.7	82.1	Beckman Access
	U/ml	47.0	37.6	56.4	Tosoh AIA360
	U/ml	118	94.4	142	Vitros ECI
	U/ml	218	174	262	Abbott Architect XR kit
	U/ml	60.2	48.2	72.2	Roche Cobas 6000/8000
	U/ml	60.5	48.4	72.6	Roche Cobas E411
	U/ml	88.2	60.0	116	Siemens Centaur CP
CA125	U/ml	132	106	158	Abbott Architect
	U/ml	96.4	77.1	116	BioMerieux Vidas
	U/ml	98.7	67.1	130	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	100	68.0	132	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	94.2	75.4	113	Siemens Immulite 2000/2500
	U/ml	109	87.2	131	Siemens Immulite 1000
	U/ml	81.2	65.0	97.4	Beckman Dxl800
	U/ml	99.0	79.2	119	Roche Elecsys
	U/ml	131	105	157	Diasorin Liaison
	U/ml	99.0	79.2	119	Roche Modular E170
	U/ml	79.5	63.6	95.4	Beckman Access
	U/ml	163	130	196	Tosoh AIA360
	U/ml	97.1	77.7	117	Vitros ECI
	U/ml	100	80.0	120	Roche Cobas E411
	U/ml	100	80.0	120	Roche Cobas 6000/8000
	U/ml	106	72.1	140	Siemens Centaur CP CA125 II kit
	U/ml	112	76.2	148	Siemens Centaur CP OV kit
Carbamazepine	µmol/l	38.4	30.7	46.1	Abbott AXSYM
	µg/ml	9.08	7.26	10.9	
	µmol/l	38.4	30.7	46.1	Abbott Architect
	µg/ml	9.08	7.26	10.9	
	µmol/l	39.5	31.6	47.4	Behring Emit
	µg/ml	9.34	7.47	11.2	
	µmol/l	41.4	29.0	53.8	Siemens Centaur XP/XPT/Classic
	µg/ml	9.79	6.85	12.7	
	µmol/l	37.9	30.3	45.5	Siemens Dimension
	µg/ml	8.96	7.16	10.8	
	µmol/l	35.0	28.0	42.0	Siemens Immulite 2000/2500
	µg/ml	8.27	6.62	9.92	
	µmol/l	36.7	29.4	44.0	Siemens Immulite 1000
	µg/ml	8.68	6.95	10.4	
	µmol/l	38.1	30.5	45.7	Roche Integra
	µg/ml	9.01	7.21	10.8	
	µmol/l	35.7	28.6	42.8	Vitros
	µg/ml	8.44	6.76	10.1	
	µmol/l	35.6	28.5	42.7	Roche Cobas E411
	µg/ml	8.42	6.74	10.1	
	µmol/l	36.8	29.4	44.2	Roche Cobas 6000/8000
	µg/ml	8.70	6.95	10.5	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	37.2	29.8	44.6	Roche Modular
	µg/ml	8.79	7.04	10.5	
	µmol/l	36.8	29.4	44.2	Beckman DxC
	µg/ml	8.70	6.95	10.5	
	µmol/l	38.8	31.0	46.6	Beckman AU400/600/640/2700/5400
	µg/ml	9.17	7.33	11.0	
	µmol/l	35.7	28.6	42.8	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	8.44	6.76	10.1	
Carcinoembryonic Antigen (CEA)	µmol/l	38.5	30.8	46.2	Gravimetric
	µg/ml	9.10	7.28	10.9	
	ng/ml = µg/l	27.5	22.0	33.0	Abbott Architect
	ng/ml = µg/l	25.0	20.0	30.0	BioMerieux Vidas
	ng/ml = µg/l	29.8	20.3	39.3	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	23.3	18.6	28.0	CIS RIA Coated tube
	ng/ml = µg/l	34.9	27.9	41.9	Siemens Immulite 2000/2500
	ng/ml = µg/l	35.5	28.4	42.6	Siemens Immulite 1000
	ng/ml = µg/l	25.0	20.0	30.0	Beckman Dxl800
	ng/ml = µg/l	23.1	18.5	27.7	Roche Elecsys
	ng/ml = µg/l	24.0	19.2	28.8	Diasorin Liaison
	ng/ml = µg/l	22.6	18.1	27.1	Roche Modular E170
	ng/ml = µg/l	25.6	20.5	30.7	Beckman Access
	ng/ml = µg/l	34.4	27.5	41.3	Tosoh AIA360
	ng/ml = µg/l	25.4	20.3	30.5	Vitros Eci
	ng/ml = µg/l	23.0	18.4	27.6	Roche Cobas 6000/8000
Cortisol	ng/ml = µg/l	23.7	19.0	28.4	Roche Cobas E411
	ng/ml = µg/l	28.5	19.4	37.6	Siemens Centaur CP
	nmol/l	553	415	691	Abbott Architect
	µg/dl	19.9	14.9	24.9	
	nmol/l	610	458	763	BioMerieux Vidas
	µg/dl	22.0	16.5	27.5	
	nmol/l	715	493	937	Siemens Centaur XP/XPT/Classic
	µg/dl	25.7	17.7	33.7	
	nmol/l	540	405	675	CIS RIA
	µg/dl	19.4	14.6	24.2	
	nmol/l	652	489	815	Siemens Immulite 2000/2500
	µg/dl	23.5	17.6	29.4	
	nmol/l	733	550	916	Siemens Immulite 1000
	µg/dl	26.4	19.8	33.0	
	nmol/l	604	453	755	Beckman Dxl800
	µg/dl	21.7	16.3	27.1	
	nmol/l	695	521	869	Roche Elecsys
	µg/dl	25.0	18.8	31.2	
	nmol/l	655	491	819	Diasorin Liaison
	µg/dl	23.6	17.7	29.5	
	nmol/l	684	513	855	Roche Modular E170
	µg/dl	24.6	18.5	30.7	

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Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	675	506	844	Beckman Access
	µg/dl	24.3	18.2	30.4	
	nmol/l	635	476	794	Tosoh AIA360
	µg/dl	22.9	17.1	28.7	
	nmol/l	588	441	735	Vitros ECI
	µg/dl	21.2	15.9	26.5	
	nmol/l	689	517	861	Roche Cobas 6000/8000
	µg/dl	24.8	18.6	31.0	
	nmol/l	707	530	884	Roche Cobas E411
	µg/dl	25.5	19.1	31.9	
	nmol/l	398	299	498	Monobind Inc. ELISA / CLIA
	µg/dl	14.3	10.8	17.8	
	nmol/l	719	496	942	Siemens Centaur CP
	µg/dl	25.9	17.9	33.9	
	nmol/l	549	412	686	Roche Modular E170 Gen II
	µg/dl	19.8	14.8	24.8	
DHEA-S	nmol/l	619	464	774	Roche Cobas 4000/e411 Gen II
	µg/dl	22.3	16.7	27.9	
	nmol/l	569	427	711	Roche Cobas 6000/8000 Gen II
	µg/dl	20.5	15.4	25.6	
	µmol/l	15.1	12.1	18.1	Abbott Architect
	µmol/l	13.1	10.5	15.7	Siemens Immulite 2000/2500
	µmol/l	13.4	10.7	16.1	Siemens Immulite 1000
	µmol/l	12.7	10.2	15.2	Beckman Dxl800
	µmol/l	17.7	14.2	21.2	Roche Elecsys
	µmol/l	18.5	14.8	22.2	Roche Modular E170
	µmol/l	13.8	11.0	16.6	Beckman Access
	µmol/l	12.2	9.76	14.6	Diasorin Liaison
Digoxin	µmol/l	12.3	8.00	16.6	Siemens Centaur XP/XPT/Classic
	µmol/l	17.5	14.0	21.0	Roche Cobas E411
	µmol/l	18.0	14.4	21.6	Roche Cobas 6000/8000
	µmol/l	15.1	12.1	18.1	Immunotech RIA
	nmol/l	2.64	2.11	3.17	Abbott AXSYM
	ng/ml	2.06	1.65	2.47	
	nmol/l	2.50	2.00	3.00	Abbott Architect
	ng/ml	1.95	1.56	2.34	
	nmol/l	2.68	2.14	3.22	Behring Emit
	ng/ml	2.09	1.67	2.51	
	nmol/l	2.74	2.19	3.29	BioMerieux Vidas
	ng/ml	2.14	1.71	2.57	
	nmol/l	3.22	2.48	3.96	Siemens Centaur XP/XPT/Classic
	ng/ml	2.51	1.93	3.09	
	nmol/l	2.89	2.31	3.47	Siemens Dimension
	ng/ml	2.26	1.80	2.72	
	nmol/l	3.29	2.63	3.95	Siemens Immulite 2000/2500
	ng/ml	2.57	2.05	3.09	

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Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	3.51	2.81	4.21	Siemens Immulite 1000
	ng/ml	2.74	2.19	3.29	
	nmol/l	2.90	2.32	3.48	Beckman Dxl800
	ng/ml	2.26	1.81	2.71	
	nmol/l	3.09	2.47	3.71	Roche Elecsys
	ng/ml	2.41	1.93	2.89	
	nmol/l	2.84	2.27	3.41	Roche Integra
	ng/ml	2.22	1.77	2.67	
	nmol/l	3.12	2.50	3.74	Roche Modular E170
	ng/ml	2.44	1.95	2.93	
	nmol/l	2.78	2.22	3.34	Vitros
	ng/ml	2.17	1.73	2.61	
	nmol/l	3.04	2.43	3.65	Roche Cobas E411
	ng/ml	2.37	1.90	2.84	
	nmol/l	3.21	2.57	3.85	Roche Cobas 6000/8000
	ng/ml	2.51	2.01	3.01	
	nmol/l	2.59	2.07	3.11	Beckman DxC
	ng/ml	2.02	1.62	2.42	
	nmol/l	2.97	2.38	3.56	Beckman AU400/600/640/2700/5400
	ng/ml	2.32	1.86	2.78	
	nmol/l	2.73	2.18	3.28	Siemens ADVIA 1200/1650/1800/2400
	ng/ml	2.13	1.70	2.56	
	nmol/l	3.28	2.62	3.94	Roche Cobas 4000/E411
	ng/ml	2.56	2.05	3.07	
	nmol/l	3.07	2.46	3.68	Gravimetric
	ng/ml	2.40	1.92	2.87	
Ethosuximide	µmol/l	360	288	431	Gravimetric
	µg/ml	51.0	40.8	61.1	
Ferritin	ng/ml = µg/l	113	90.4	136	Abbott Architect
	ng/ml = µg/l	86.0	68.8	103	BioMerieux Vidas
	ng/ml = µg/l	98.1	78.5	118	Roche Tinaquant
	ng/ml = µg/l	96.8	72.6	121	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	96.3	77.0	116	Siemens Dimension
	ng/ml = µg/l	98.0	78.4	118	Siemens Immulite 2000/2500
	ng/ml = µg/l	90.0	72.0	108	Siemens Immulite 1000
	ng/ml = µg/l	72.4	57.9	86.9	Beckman Dxl800
	ng/ml = µg/l	105	84.0	126	Roche Elecsys
	ng/ml = µg/l	103	82.4	124	Diasorin Liaison
	ng/ml = µg/l	106	84.8	127	Roche Modular E170
	ng/ml = µg/l	74.0	59.2	88.8	Beckman Access
	ng/ml = µg/l	75.0	60.0	90.0	Tosoh AIA360
	ng/ml = µg/l	71.1	56.9	85.3	Vitros ECi
	ng/ml = µg/l	97.9	78.3	117	Immunotech IRMA
	ng/ml = µg/l	104	83.2	125	Roche Cobas E411
	ng/ml = µg/l	96.8	77.4	116	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	90.1	67.6	113	Siemens Centaur CP

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Folate	nmol/l	14.2	10.8	17.6	Abbott Architect
	ng/ml	6.26	4.76	7.76	
	nmol/l	30.5	19.8	41.2	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	13.5	8.78	18.2	
	nmol/l	13.2	10.0	16.4	Siemens Immulite 2000
	ng/ml	5.82	4.41	7.23	
	nmol/l	30.9	23.5	38.3	Siemens Immulite 1000
	ng/ml	13.6	10.4	16.8	
	nmol/l	17.4	13.2	21.6	Beckman Dxl800
	ng/ml	7.67	5.82	9.52	
	nmol/l	19.1	14.5	23.7	Roche Elecsys
	ng/ml	8.42	6.39	10.5	
	nmol/l	20.6	15.7	25.5	Roche Modular E170
	ng/ml	9.08	6.92	11.2	
	nmol/l	17.1	13.0	21.2	Beckman Access
	ng/ml	7.54	5.73	9.35	
	nmol/l	27.8	21.1	34.5	Tosoh AIA360
	ng/ml	12.3	9.31	15.3	
	nmol/l	9.86	7.49	12.2	Vitros Eci
	ng/ml	4.35	3.30	5.40	
	nmol/l	12.3	9.35	15.3	MP Biomedicals RIA
	ng/ml	5.42	4.12	6.72	
	nmol/l	19.3	14.7	23.9	Roche Cobas E411
	ng/ml	8.51	6.48	10.5	
	nmol/l	20.6	15.7	25.5	Roche Cobas 6000/8000
	ng/ml	9.08	6.92	11.2	
	nmol/l	11.1	8.44	13.8	Siemens Dimension
	ng/ml	4.90	3.72	6.08	
	nmol/l	34.3	22.3	46.3	Siemens Centaur CP (enhanced kit)
	ng/ml	15.1	9.82	20.4	
Free T3	pmol/l	14.3	10.7	17.9	Abbott Architect
	ng/dl	0.930	0.696	1.16	
	pg/ml	9.31	6.97	11.7	
	pmol/l	16.4	12.3	20.5	BioMerieux Vidas
	ng/dl	1.07	0.800	1.34	
	pg/ml	10.7	8.01	13.4	
	pmol/l	15.5	9.30	21.7	Siemens Centaur XP/XPT/Classic
	ng/dl	1.01	0.606	1.41	
	pg/ml	10.1	6.06	14.1	
	pmol/l	12.6	9.45	15.8	Siemens Immulite 2000/2500
	ng/dl	0.819	0.614	1.02	
	pg/ml	8.20	6.15	10.3	
	pmol/l	12.1	9.08	15.1	Siemens Immulite 1000
	ng/dl	0.787	0.590	0.984	
	pg/ml	7.88	5.91	9.85	
	pmol/l	12.3	9.23	15.4	Beckman Dxl800
	ng/dl	0.800	0.600	1.00	
	pg/ml	8.01	6.01	10.0	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	19.0	14.3	23.8	Roche Elecsys
	ng/dl	1.24	0.930	1.55	
	pg/ml	12.4	9.31	15.5	
	pmol/l	22.5	16.9	28.1	Diasorin Liaison
	ng/dl	1.46	1.10	1.82	
	pg/ml	14.6	11.0	18.2	
	pmol/l	18.8	14.1	23.5	Roche Modular E170
	ng/dl	1.22	0.917	1.52	
	pg/ml	12.2	9.18	15.2	
	pmol/l	13.7	10.3	17.1	Beckman Access
	ng/dl	0.891	0.670	1.11	
	pg/ml	8.92	6.71	11.1	
	pmol/l	20.4	15.3	25.5	Tosoh AIA360
	ng/dl	1.33	0.995	1.67	
	pg/ml	13.3	9.96	16.6	
	pmol/l	34.7	26.0	43.4	Vitros ECI
	ng/dl	2.26	1.69	2.83	
	pg/ml	22.6	16.9	28.3	
	pmol/l	19.0	14.3	23.8	Roche Cobas E411
	ng/dl	1.24	0.930	1.55	
	pg/ml	12.4	9.31	15.5	
	pmol/l	18.9	14.2	23.6	Roche Cobas 6000/8000
	ng/dl	1.23	0.923	1.54	
	pg/ml	12.3	9.24	15.4	
	pmol/l	19.7	14.8	24.6	Siemens Dimension Vista LOCI
	ng/dl	1.28	0.962	1.60	
	pg/ml	12.8	9.63	16.0	
	pmol/l	14.7	8.82	20.6	Siemens Centaur CP
	ng/dl	0.956	0.574	1.34	
	pg/ml	9.57	5.74	13.4	
Free T4	pmol/l	30.1	22.6	37.6	Abbott Architect
	ng/dl	2.35	1.76	2.94	
	pg/ml	23.5	17.6	29.4	
	pmol/l	45.5	34.1	56.9	BioMerieux Vidas
	ng/dl	3.55	2.66	4.44	
	pg/ml	35.5	26.6	44.4	
	pmol/l	29.4	22.1	36.8	Siemens Centaur XP/XPT/Classic
	ng/dl	2.29	1.72	2.86	
	pg/ml	22.9	17.2	28.6	
	pmol/l	41.1	30.8	51.4	CIS RIA Coated tube
	ng/dl	3.21	2.40	4.02	
	pg/ml	32.1	24.0	40.2	
	pmol/l	40.6	30.5	50.8	Siemens Immulite 2000/2500
	ng/dl	3.17	2.38	3.96	
	pg/ml	31.7	23.8	39.6	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	40.2	30.2	50.3	Siemens Immulite 1000
	ng/dl	3.14	2.36	3.92	
	pg/ml	31.4	23.6	39.2	
	pmol/l	34.6	26.0	43.3	Beckman Dxl800
	ng/dl	2.70	2.03	3.37	
	pg/ml	27.0	20.3	33.7	
	pmol/l	40.1	30.1	50.1	Roche Elecsys
	ng/dl	3.13	2.35	3.91	
	pg/ml	31.3	23.5	39.1	
	pmol/l	50.7	38.0	63.4	Diasorin Liaison
	ng/dl	3.95	2.96	4.94	
	pg/ml	39.5	29.6	49.4	
	pmol/l	39.8	29.9	49.8	Roche Modular E170
	ng/dl	3.10	2.33	3.87	
	pg/ml	31.0	23.3	38.7	
	pmol/l	34.8	26.1	43.5	Beckman Access
	ng/dl	2.71	2.04	3.38	
	pg/ml	27.1	20.4	33.8	
	pmol/l	40.8	30.6	51.0	Tosoh AIA360
	ng/dl	3.18	2.39	3.97	
	pg/ml	31.8	23.9	39.7	
	pmol/l	77.5	58.1	96.9	Vitros ECI
	ng/dl	6.05	4.53	7.57	
	pg/ml	60.5	45.3	75.7	
	pmol/l	39.8	29.9	49.8	Roche Cobas 6000/8000
	ng/dl	3.10	2.33	3.87	
	pg/ml	31.0	23.3	38.7	
	pmol/l	31.7	23.8	39.6	Immunotech IRMA
	ng/dl	2.47	1.86	3.08	
	pg/ml	24.7	18.6	30.8	
	pmol/l	40.2	30.2	50.3	Roche Cobas E411
	ng/dl	3.14	2.36	3.92	
	pg/ml	31.4	23.6	39.2	
	pmol/l	37.9	28.4	47.4	ELISA
	ng/dl	2.96	2.22	3.70	
	pg/ml	29.6	22.2	37.0	
	pmol/l	36.3	27.2	45.4	Siemens Dimension Vista LOCI
	ng/dl	2.83	2.12	3.54	
	pg/ml	28.3	21.2	35.4	
	pmol/l	32.2	24.2	40.3	Adaltis EIAgen
	ng/dl	2.51	1.89	3.13	
	pg/ml	25.1	18.9	31.3	
	pmol/l	31.9	23.9	39.9	Siemens Centaur CP
	ng/dl	2.49	1.86	3.12	
	pg/ml	24.9	18.6	31.2	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
FSH	mU/ml	25.2	20.2	30.2	Abbott Architect
	mU/ml	33.7	27.0	40.4	BioMerieux Vidas
	mU/ml	34.3	25.7	42.9	Siemens Centaur XP/XPT/Classic
	mU/ml	28.7	23.0	34.4	Siemens Immulite 2000/2500
	mU/ml	28.1	22.5	33.7	Siemens Immulite 1000
	mU/ml	30.4	24.3	36.5	Beckman Dxl800
	mU/ml	28.5	22.8	34.2	Roche/BM Elecsys
	mU/ml	33.1	26.5	39.7	Diasorin Liaison
	mU/ml	27.3	21.8	32.8	Roche Modular E170
	mU/ml	30.2	24.2	36.2	Beckman Access
	mU/ml	30.5	24.4	36.6	Tosoh AIA360
	mU/ml	22.6	18.1	27.1	Vitros ECi
	mU/ml	28.8	23.0	34.6	Roche Cobas E411
	mU/ml	27.6	22.1	33.1	Roche Cobas 6000/8000
	mU/ml	28.0	22.4	33.6	Immunotech IRMA
	mU/ml	32.2	24.2	40.2	Siemens Centaur CP
Gentamicin	µmol/l	7.31	5.85	8.77	Roche Integra
	µg/ml	3.49	2.80	4.18	
	µmol/l	7.98	5.67	10.3	Siemens Centaur XP/XPT/Classic
	µg/ml	3.81	2.71	4.91	
	µmol/l	7.84	6.27	9.41	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	3.75	3.00	4.50	
	µmol/l	7.97	6.38	9.56	Siemens Dimension Vista
	µg/ml	3.81	3.05	4.57	
	µmol/l	6.51	5.21	7.81	Roche Cobas 6000/8000
	µg/ml	3.11	2.49	3.73	
	µmol/l	8.63	6.90	10.4	Beckman DxC
	µg/ml	4.13	3.30	4.96	
Growth Hormone (GH)	µmol/l	8.16	6.53	9.79	Gravimetric
	µg/ml	3.90	3.12	4.68	
	µU/ml	21.1	16.9	25.3	Siemens Immulite 2000/2500
	ng/ml	7.03	5.63	8.43	
	µU/ml	20.3	16.2	24.4	Siemens Immulite 1000
	ng/ml	6.76	5.39	8.13	
	µU/ml	16.7	13.4	20.0	Beckman Dxl800
	ng/ml	5.56	4.46	6.66	
	µU/ml	31.4	25.1	37.7	Roche Elecsys
	ng/ml	10.5	8.36	12.6	
	µU/ml	29.8	23.8	35.8	Roche Modular E170
	ng/ml	9.92	7.93	11.9	
	µU/ml	17.6	14.1	21.1	Beckman Access
	ng/ml	5.86	4.70	7.02	
	µU/ml	22.8	18.2	27.4	Tosoh AIA360
	ng/ml	7.59	6.06	9.12	
	µU/ml	19.5	15.6	23.4	Diasorin Liaison
	ng/ml	6.49	5.19	7.79	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Growth Hormone (GH)	µU/ml	31.7	25.4	38.0	Roche Cobas E411
	ng/ml	10.6	8.46	12.7	
	µU/ml	31.3	25.0	37.6	Roche Cobas 6000/8000
	ng/ml	10.4	8.33	12.5	
	µU/ml	17.9	14.3	21.5	IDS iSYS
	ng/ml	5.96	4.76	7.16	
Immunoglobulin E	KIU/I = IU/ml	121	96.8	145	Abbott Architect
	KIU/I = IU/ml	114	91.2	137	BioMerieux Vidas
	KIU/I = IU/ml	118	70.8	165	Siemens Centaur XP/XPT/Classic
	KIU/I = IU/ml	149	119	179	Siemens Immulite 2000/2500
	KIU/I = IU/ml	149	119	179	Siemens Immulite 1000
	KIU/I = IU/ml	122	97.6	146	Beckman Dxl800
	KIU/I = IU/ml	136	109	163	Roche Elecsys
	KIU/I = IU/ml	121	96.8	145	Pharmacia Unicap
	KIU/I = IU/ml	134	107	161	Roche Modular E170
	KIU/I = IU/ml	128	102	154	Beckman Access
	KIU/I = IU/ml	126	101	151	Tosoh AIA360
	KIU/I = IU/ml	137	110	164	Roche Cobas E411
	KIU/I = IU/ml	137	110	164	Roche Cobas 6000/8000
	KIU/I = IU/ml	120	72.0	168	Siemens Centaur CP
	KIU/I = IU/ml	121	96.8	145	DSI EIA
Insulin	mU/I	13.6	10.2	17.0	Siemens Centaur XP/XPT/Classic
	mU/I	2.66	2.00	3.33	Siemens Immulite 1000
	mU/I	8.92	6.69	11.2	Roche Modular E170
	mU/I	2.49	1.87	3.11	Siemens Immulite 2000
	mU/I	9.08	6.81	11.4	Roche Elecsys
	mU/I	10.3	7.73	12.9	Beckman Access
	mU/I	10.1	7.58	12.6	Abbott Architect
	mU/I	11.3	8.48	14.1	Tosoh AIA360
	mU/I	8.97	6.73	11.2	Roche Cobas E411
	mU/I	9.69	7.27	12.1	Beckman Dxl 600/800
	mU/I	11.9	8.93	14.9	Diasorin Liaison
	mU/I	9.13	6.85	11.4	Roche Cobas 6000/8000
	mU/I	13.4	10.1	16.8	Siemens Centaur CP
Luteinising Hormone (LH)	mU/ml	25.0	20.0	30.0	Abbott Architect
	mU/ml	27.1	21.7	32.5	BioMerieux Vidas
	mU/ml	32.0	24.6	39.4	Siemens Centaur XP/XPT/Classic
	mU/ml	41.3	33.0	49.6	Siemens Immulite 2000
	mU/ml	43.5	34.8	52.2	Siemens Immulite 1000
	mU/ml	18.4	14.7	22.1	Beckman Dxl800
	mU/ml	31.4	25.1	37.7	Roche Elecsys
	mU/ml	37.8	30.2	45.4	Diasorin Liaison
	mU/ml	30.8	24.6	37.0	Roche Modular E170
	mU/ml	18.9	15.1	22.7	Beckman Access
	mU/ml	28.0	22.4	33.6	Tosoh AIA360
	mU/ml	43.8	35.0	52.6	Vitros ECi

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Luteinising Hormone (LH)	mU/ml	31.4	25.1	37.7	Roche Cobas E411
	mU/ml	30.9	24.7	37.1	Roche Cobas 6000/8000
	mU/ml	33.4	25.7	41.1	Siemens Centaur CP
Oestradiol	pmol/l	724	579	869	Abbott Architect
	pg/ml	197	157	237	
	pmol/l	1170	936	1404	BioMerieux Vidas
	pg/ml	318	255	381	
	pmol/l	960	576	1344	Siemens Centaur XP/XPT/Classic
	pg/ml	261	157	365	
	pmol/l	1024	819	1229	Siemens Immulite 2000/2500
	pg/ml	279	223	335	
	pmol/l	1057	846	1268	Siemens Immulite 1000
	pg/ml	288	230	346	
	pmol/l	930	744	1116	Beckman Dxl800
	pg/ml	253	202	304	
	pmol/l	827	662	992	Roche Elecsys (Estradiol II)
	pg/ml	225	180	270	
	pmol/l	771	617	925	Roche Modular E170 (Estradiol II)
	pg/ml	210	168	252	
	pmol/l	999	799	1199	Beckman Access
	pg/ml	272	217	327	
	pmol/l	735	588	882	Tosoh (E2)
	pg/ml	200	160	240	
	pmol/l	873	698	1048	Vitros ECI
	pg/ml	237	190	284	
	pmol/l	778	622	934	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	212	169	255	
	pmol/l	824	659	989	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	224	179	269	
	pmol/l	957	574	1340	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	260	156	364	
	pmol/l	963	578	1348	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	262	157	367	
	pmol/l	728	582	874	Tosoh (iE2-hsE2)
	pg/ml	198	158	238	
	pmol/l	262	210	314	Immunotech RIA Ultra-sensitive
	pg/ml	71.3	57.1	85.5	
	pmol/l	1019	611	1427	Siemens Centaur CP
	pg/ml	277	166	388	
	pmol/l	1001	601	1401	Siemens Centaur CP Enhanced (eE2)
	pg/ml	272	163	381	
	pmol/l	1026	821	1231	Fujirebio Lumipulse G
	pg/ml	279	223	335	
	pmol/l	733	586	880	Roche Cobas 6000/8000 (Estradiol III)
	pg/ml	199	159	239	
	pmol/l	723	578	868	Roche Elecsys (Estradiol III)
	pg/ml	197	157	237	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	732	586	878	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	199	159	239	
	pmol/l	744	595	893	Roche Modular E170 (Estradiol III)
	pg/ml	202	162	242	
Paracetamol	mmol/l	0.300	0.240	0.360	Roche Integra
	mg/l	45.4	36.3	54.5	
	mmol/l	0.401	0.321	0.481	Vitros
	mg/l	60.7	48.6	72.8	
	mmol/l	0.325	0.260	0.390	Abbott Architect
	mg/l	49.2	39.3	59.1	
	mmol/l	0.288	0.230	0.346	Roche Cobas 6000/8000
	mg/l	43.6	34.8	52.4	
Phenobarbital	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.6	42.4	63.5	
	µmol/l	81.4	65.1	97.7	Abbott Architect
	µg/ml	18.9	15.1	22.7	
	µmol/l	76.7	61.4	92.0	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	17.8	14.2	21.4	
	µmol/l	75.4	60.3	90.5	Roche Cobas 6000/8000
	µg/ml	17.5	14.0	21.0	
	µmol/l	77.5	62.0	93.0	Siemens Immulite 2000/2500
	µg/ml	18.0	14.4	21.6	
	µmol/l	79.9	63.9	95.9	Roche Modular P-D
	µg/ml	18.5	14.8	22.2	
	µmol/l	76.2	61.0	91.4	Beckman AU400/600/640/2700/5400
	µg/ml	17.7	14.2	21.2	
	µmol/l	89.0	64.1	114	Siemens Centaur XP/XPT/Classic
	µg/ml	20.6	14.8	26.4	
	µmol/l	80.2	64.2	96.2	Roche Integra
	µg/ml	18.6	14.9	22.3	
	µmol/l	75.2	60.2	90.2	Siemens Immulite 1000
	µg/ml	17.4	14.0	20.8	
Phenytoin	µmol/l	79.8	63.8	95.8	Beckman DxC
	µg/ml	18.5	14.8	22.2	
	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	
	µmol/l	63.4	50.7	76.1	Abbott AXSYM
	µg/ml	16.0	12.8	19.2	
	µmol/l	68.0	54.4	81.6	Abbott Architect
	µg/ml	17.2	13.7	20.7	
	µmol/l	76.6	59.7	93.5	Siemens Centaur XP/XPT/Classic
	µg/ml	19.3	15.1	23.5	
	µmol/l	70.0	56.0	84.0	Siemens Dimension
	µg/ml	17.7	14.1	21.3	
	µmol/l	65.0	52.0	78.0	Siemens Immulite 2000/2500
	µg/ml	16.4	13.1	19.7	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Phenytoin	µmol/l	63.8	51.0	76.6	Siemens Immulite 1000
	µg/ml	16.1	12.9	19.3	
	µmol/l	66.5	53.2	79.8	Roche Integra
	µg/ml	16.8	13.4	20.2	
	µmol/l	68.5	54.8	82.2	Vitros
	µg/ml	17.3	13.8	20.8	
	µmol/l	71.3	57.0	85.6	Roche Modular P-D
	µg/ml	18.0	14.4	21.6	
	µmol/l	70.8	56.6	85.0	Roche Cobas E411
	µg/ml	17.9	14.3	21.5	
	µmol/l	67.9	54.3	81.5	Roche Cobas 6000/8000
	µg/ml	17.1	13.7	20.5	
	µmol/l	67.9	54.3	81.5	Beckman DxC
	µg/ml	17.1	13.7	20.5	
	µmol/l	71.3	57.0	85.5	Gravimetric
	µg/ml	18.0	14.4	21.6	
Primidone	µmol/l	22.5	18.0	27.0	Gravimetric
	µg/ml	4.92	3.93	5.89	
Progesterone	nmol/l	24.6	19.7	29.5	Abbott Architect
	ng/ml	7.70	6.17	9.23	
	nmol/l	39.0	31.2	46.8	BioMerieux Vidas
	ng/ml	12.2	9.77	14.6	
	nmol/l	24.1	16.9	31.3	Siemens Centaur XP/XPT/Classic
	ng/ml	7.54	5.28	9.80	
	nmol/l	26.2	21.0	31.4	Siemens Immulite 2000/2500
	ng/ml	8.20	6.57	9.83	
	nmol/l	28.1	22.5	33.7	Siemens Immulite 1000
	ng/ml	8.80	7.04	10.6	
	nmol/l	32.0	25.6	38.4	Beckman Dxl Prog Cal 33555
	ng/ml	10.0	8.01	12.0	
	nmol/l	31.6	25.3	37.9	Roche Elecsys
	ng/ml	9.89	7.92	11.9	
	nmol/l	31.2	25.0	37.4	Roche Modular E170
	ng/ml	9.77	7.83	11.7	
	nmol/l	32.5	26.0	39.0	Beckman Access Prog Cal 33555
	ng/ml	10.2	8.14	12.3	
	nmol/l	35.2	28.2	42.2	Tosoh AIA360
	ng/ml	11.0	8.83	13.2	
	nmol/l	34.6	27.7	41.5	Vitros Eci
	ng/ml	10.8	8.67	12.9	
	nmol/l	32.2	25.8	38.6	Roche Cobas E411
	ng/ml	10.1	8.08	12.1	
	nmol/l	31.1	24.9	37.3	Roche Cobas 6000/8000
	ng/ml	9.73	7.79	11.7	
	nmol/l	27.4	21.9	32.9	Diasorin Liaison
	ng/ml	8.58	6.85	10.3	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	30.0	24.0	36.0	Immunotech RIA
	ng/ml	9.39	7.51	11.3	
	nmol/l	27.9	22.3	33.5	Beckman Dxl Prog DE Cal A80773
	ng/ml	8.73	6.98	10.5	
	nmol/l	25.8	18.1	33.5	Siemens Centaur CP
	ng/ml	8.08	5.66	10.5	
Prolactin	µU/ml	657	526	788	Abbott Architect
	µU/ml	388	310	466	BioMerieux Vidas
	µU/ml	507	395	619	Siemens Centaur XP/XPT/Classic
	µU/ml	703	562	844	Siemens Immulite 2000/2500
	µU/ml	743	594	892	Siemens Immulite 1000
	µU/ml	444	355	533	Beckman Dxl800
	µU/ml	806	645	967	Roche Elecsys
	µU/ml	719	575	863	Diasorin Liaison
	µU/ml	795	636	954	Roche Modular E170
	µU/ml	476	381	571	Beckman Access
	µU/ml	157	126	188	Tosoh AIA360
	µU/ml	442	354	530	Vitros ECI
	µU/ml	806	645	967	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	618	494	742	Immunotech IRMA
	µU/ml	823	658	988	Roche Cobas E411
	µU/ml	797	638	956	Roche Cobas 6000/8000
	µU/ml	595	476	714	Adaltis EIAgen
	µU/ml	638	510	766	Abbott Architect restandardised
	µU/ml	505	394	616	Siemens Centaur CP
PSA Free	ng/ml = µg/l	9.51	7.13	11.9	Abbott Architect
	ng/ml = µg/l	15.3	11.5	19.1	BioMerieux Vidas
	ng/ml = µg/l	9.30	6.98	11.6	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	7.51	5.63	9.39	Siemens Dimension
	ng/ml = µg/l	7.89	5.92	9.86	Siemens Immulite 2000/2500
	ng/ml = µg/l	8.28	6.21	10.4	Siemens Immulite 1000
	ng/ml = µg/l	12.6	9.45	15.8	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	9.30	6.98	11.6	Roche Elecsys
	ng/ml = µg/l	5.64	4.23	7.05	Diasorin Liaison
	ng/ml = µg/l	9.09	6.82	11.4	Roche Modular E170
	ng/ml = µg/l	13.1	9.83	16.4	Beckman Access standardised to Hybritech
	ng/ml = µg/l	8.53	6.40	10.7	Tosoh AIA360
	ng/ml = µg/l	9.48	7.11	11.9	Roche Cobas E411
	ng/ml = µg/l	9.19	6.89	11.5	Roche Cobas 6000/8000
	ng/ml = µg/l	11.2	8.40	14.0	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	13.1	9.83	16.4	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	7.61	5.71	9.51	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	7.80	5.85	9.75	Fujirebio Lumipulse G
PSA Total	ng/ml = µg/l	12.8	9.60	16.0	Abbott Architect
	ng/ml = µg/l	12.1	9.08	15.1	BioMerieux Vidas

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC 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	12.1	9.08	15.1	bioMerieux VIDAS TPSA
	ng/ml = µg/l	11.8	8.85	14.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	9.96	7.47	12.5	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	10.3	7.73	12.9	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	9.57	7.18	12.0	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	10.1	7.58	12.6	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	14.1	10.6	17.6	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	12.2	9.15	15.3	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	15.7	11.8	19.6	Roche Elecsys
	ng/ml = µg/l	7.34	5.51	9.18	Diasorin Liaison
	ng/ml = µg/l	15.6	11.7	19.5	Roche Modular E170
	ng/ml = µg/l	14.1	10.6	17.6	Beckman Access standardised to Hybritech
	ng/ml = µg/l	13.5	10.1	16.9	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	8.82	6.62	11.0	Tosoh AIA360
	ng/ml = µg/l	16.6	12.5	20.8	Vitros Eci
	ng/ml = µg/l	13.2	9.90	16.5	CIS RIA Coated tube
	ng/ml = µg/l	15.8	11.9	19.8	Roche Cobas E411
	ng/ml = µg/l	15.6	11.7	19.5	Roche Cobas 6000/8000
	ng/ml = µg/l	12.0	9.00	15.0	Fujirebio Lumipulse G
	ng/ml = µg/l	15.9	11.9	19.9	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	12.2	9.15	15.3	Siemens Centaur CP
Salicylic Acid	mmol/l	1.15	0.920	1.38	Roche Integra
	mg/dl	15.9	12.7	19.1	
	mmol/l	1.18	0.944	1.42	Abbott Architect
	mg/dl	16.3	13.0	19.6	
	mmol/l	1.24	0.992	1.49	Beckman DxC
	mg/dl	17.1	13.7	20.5	
SHBG	mmol/l	1.22	0.980	1.47	Gravimetric
	mg/dl	16.9	13.5	20.3	
	nmol/l	53.8	43.0	64.6	Siemens Centaur XP/XPT/Classic
	nmol/l	39.5	31.6	47.4	Siemens Immulite 1000
	nmol/l	40.4	32.3	48.5	Siemens Immulite 2000/2500
	nmol/l	40.1	32.1	48.1	Roche Elecsys
	nmol/l	39.8	31.8	47.8	Roche Modular E170
	nmol/l	44.4	35.5	53.3	Abbott Architect
	nmol/l	40.7	32.6	48.8	Roche Cobas E411
	nmol/l	39.7	31.8	47.6	Roche Cobas 6000/8000
T Uptake	nmol/l	40.6	32.5	48.7	Beckman Access
	nmol/l	40.6	32.5	48.7	Beckman Dxl800
	%U	38.4	31.5	45.3	Siemens Immulite 2000
Testosterone	nmol/l	11.8	9.44	14.2	Abbott Architect
	ng/ml	3.40	2.72	4.08	
	ng/dl	340	272	408	
	nmol/l	9.44	7.55	11.3	BioMerieux Vidas
	ng/ml	2.72	2.17	3.27	
	ng/dl	272	217	327	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	11.0	7.70	14.3	Siemens Centaur XP/XPT/Classic
	ng/ml	3.17	2.22	4.12	
	ng/dl	317	222	412	
	nmol/l	12.7	10.2	15.2	CIS RIA Coated tube
	ng/ml	3.66	2.94	4.38	
	ng/dl	366	294	438	
	nmol/l	16.6	13.3	19.9	Siemens Immulite 2000/2500
	ng/ml	4.78	3.83	5.73	
	ng/dl	478	383	573	
	nmol/l	18.0	14.4	21.6	Siemens Immulite 1000
	ng/ml	5.18	4.15	6.21	
	ng/dl	518	415	621	
	nmol/l	10.2	8.16	12.2	Beckman Dxl800
	ng/ml	2.94	2.35	3.53	
	ng/dl	294	235	353	
	nmol/l	10.9	8.72	13.1	Beckman Access
	ng/ml	3.14	2.51	3.77	
	ng/dl	314	251	377	
	nmol/l	16.0	12.8	19.2	Tosoh AIA360
	ng/ml	4.61	3.69	5.53	
	ng/dl	461	369	553	
	nmol/l	14.5	11.6	17.4	Vitros ECI
	ng/ml	4.18	3.34	5.02	
	ng/dl	418	334	502	
	nmol/l	13.1	10.5	15.7	Roche Cobas 6000 Test 2
	ng/ml	3.77	3.02	4.52	
	ng/dl	377	302	452	
	nmol/l	12.7	10.2	15.2	Roche Elecsys Test II
	ng/ml	3.66	2.94	4.38	
	ng/dl	366	294	438	
	nmol/l	13.2	10.6	15.8	Roche Modular E170 Test II
	ng/ml	3.80	3.05	4.55	
	ng/dl	380	305	455	
	nmol/l	12.7	10.2	15.2	Roche Cobas 4000/e411 Test II
	ng/ml	3.66	2.94	4.38	
	ng/dl	366	294	438	
	nmol/l	11.7	9.36	14.0	Abbott Architect 2nd Generation
	ng/ml	3.37	2.70	4.04	
	ng/dl	337	270	404	
	nmol/l	10.6	7.42	13.8	Siemens Centaur CP
	ng/ml	3.05	2.14	3.96	
	ng/dl	305	214	396	
	nmol/l	9.20	7.36	11.0	BioMerieux Vidas Testosterone II
	ng/ml	2.65	2.12	3.18	
	ng/dl	265	212	318	
Theophylline	μmol/l	77.7	62.2	93.2	Abbott AXSYM
	μg/ml	14.0	11.2	16.8	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Theophylline	μmol/l	81.0	64.8	97.2	Siemens Centaur XP/XPT/Classic
	μg/ml	14.6	11.7	17.5	
	μmol/l	79.9	63.9	95.9	Siemens Dimension
	μg/ml	14.4	11.5	17.3	
	μmol/l	81.6	65.3	97.9	Roche Integra
	μg/ml	14.7	11.8	17.6	
	μmol/l	107	85.6	128	Vitros
	μg/ml	19.3	15.4	23.2	
	μmol/l	82.2	65.8	98.6	Abbott Architect
	μg/ml	14.8	11.9	17.7	
	μmol/l	80.6	64.5	96.7	Roche Cobas 6000/8000
	μg/ml	14.5	11.6	17.4	
	μmol/l	78.0	62.4	93.6	Beckman DxC
	μg/ml	14.1	11.2	17.0	
	μmol/l	78.8	63.0	94.6	Beckman AU400/600/640/2700/5400
	μg/ml	14.2	11.4	17.0	
	μmol/l	83.8	67.0	101	Gravimetric
	μg/ml	15.1	12.1	18.2	
Thyroglobulin	ng/ml	18.1	13.6	22.6	Siemens Immulite 1000
	ng/ml	16.3	12.2	20.4	Siemens Immulite 2000
	ng/ml	34.6	26.0	43.3	Roche Elecsys
	ng/ml	38.7	29.0	48.4	Roche Modular E170
	ng/ml	34.2	25.7	42.8	Beckman Dxl800
	ng/ml	37.0	27.8	46.3	Roche Cobas E411
	ng/ml	36.8	27.6	46.0	Roche Cobas 6000/8000
	ng/ml	32.1	24.1	40.1	Beckman Access
	ng/ml	38.6	29.0	48.3	Tosoh AIA360
	ng/ml	37.6	28.2	47.0	Roche Cobas 6000 TGII
	ng/ml	37.0	27.8	46.3	Roche Elecsys TGII
	ng/ml	36.3	27.2	45.4	Roche Cobas 4000/E411 TGII
	ng/ml	36.9	27.7	46.1	Roche Modular E170 TGII
Thyroid Stimulating Hormone	μU/ml = mIU/l	2.13	1.70	2.56	Abbott Architect
	μU/ml = mIU/l	2.49	1.99	2.99	bioMerieux VIDAS TSH
	μU/ml = mIU/l	2.21	1.77	2.65	bioMerieux VIDAS TSH3 Ultrasensitive
	μU/ml = mIU/l	2.44	1.66	3.22	Siemens Centaur XP/XPT/Classic
	μU/ml = mIU/l	2.85	2.28	3.42	CIS IRMA
	μU/ml = mIU/l	2.37	1.61	3.13	Siemens Centaur XP/XPT/Classic 3rd Generation
	μU/ml = mIU/l	2.26	1.81	2.71	Siemens Dimension
	μU/ml = mIU/l	2.40	1.92	2.88	Siemens Immulite 2000/2500
	μU/ml = mIU/l	2.40	1.92	2.88	Siemens Immulite 1000
	μU/ml = mIU/l	2.20	1.76	2.64	Beckman Dxl800 Fast TSH
	μU/ml = mIU/l	2.30	1.84	2.76	Beckman Dxl800
	μU/ml = mIU/l	2.64	2.11	3.17	Roche Elecsys
	μU/ml = mIU/l	2.91	2.33	3.49	Diasorin Liaison
	μU/ml = mIU/l	2.62	2.10	3.14	Roche Modular E170

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.39	1.91	2.87	Beckman Access Fast TSH
	µU/ml = mIU/l	2.39	1.91	2.87	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.52	2.02	3.02	Tosoh AIA360
	µU/ml = mIU/l	2.76	2.21	3.31	Vitros ECI
	µU/ml = mIU/l	2.44	1.95	2.93	Beckman Coulter AU3000i
	µU/ml = mIU/l	2.54	2.03	3.05	Immunotech IRMA
	µU/ml = mIU/l	2.63	2.10	3.16	Roche Cobas E411
	µU/ml = mIU/l	2.65	2.12	3.18	Roche Cobas 6000/8000
	µU/ml = mIU/l	2.32	1.86	2.78	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.84	2.27	3.41	Monobind Inc. ELISA / CLIA
	µU/ml = mIU/l	2.22	1.78	2.66	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	2.38	1.62	3.14	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	2.74	2.19	3.29	Adaltis EIAgen
	µU/ml = mIU/l	2.45	1.67	3.23	Siemens Centaur CP
	µU/ml = mIU/l	2.34	1.59	3.09	Siemens Centaur CP TSH3-Ultra
Tobramycin	µmol/l	7.16	5.73	8.59	Gravimetric
	µg/ml	3.35	2.68	4.02	
Total Beta hCG	mU/ml=IU/l	19.2	15.4	23.0	Abbott Architect
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	33.5	26.8	40.2	BioMerieux Vidas
	IU/ml	0.034	0.027	0.041	
	mU/ml=IU/l	22.3	13.4	31.2	Siemens Centaur XP/XPT/Classic
	IU/ml	0.022	0.013	0.031	
	mU/ml=IU/l	32.1	25.7	38.5	Siemens Dimension
	IU/ml	0.032	0.026	0.038	
	mU/ml=IU/l	40.9	32.7	49.1	Siemens Immulite 2000
	IU/ml	0.041	0.033	0.049	
	mU/ml=IU/l	37.8	30.2	45.4	Siemens Immulite 1000
	IU/ml	0.038	0.030	0.046	
	mU/ml=IU/l	20.9	16.7	25.1	Beckman Dxl800
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	20.3	16.2	24.4	Diasorin Liaison
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	20.9	16.7	25.1	Roche Cobas Core EIA
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	19.6	15.7	23.5	Beckman Access
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	33.1	26.5	39.7	Tosoh AIA360
	IU/ml	0.033	0.027	0.039	
	mU/ml=IU/l	36.2	29.0	43.4	Vitros ECI
	IU/ml	0.036	0.029	0.043	
	mU/ml=IU/l	27.8	22.2	33.4	Roche STAT (Intact)
	IU/ml	0.028	0.022	0.034	
	mU/ml=IU/l	21.3	17.0	25.6	Roche hCG+Beta
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	37.0	29.6	44.4	Brahms Kryptor
	IU/ml	0.037	0.030	0.044	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC 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	20.8	16.6	25.0	Radiometer AQT90 Flex
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	20.9	16.7	25.1	Beckman Access Total BhCG (5th IS)
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	21.7	17.4	26.0	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.022	0.017	0.027	
	mU/ml=IU/l	22.3	13.4	31.2	Siemens Centaur CP
	IU/ml	0.022	0.013	0.031	
Total T3	nmol/l	3.99	2.99	4.99	Abbott Architect
	ng/ml	2.60	1.95	3.25	
	ng/dl	260	195	325	
	nmol/l	4.67	3.50	5.84	BioMerieux Vidas
	ng/ml	3.04	2.28	3.80	
	ng/dl	304	228	380	
	nmol/l	5.45	4.09	6.81	Siemens Centaur XP/XPT/Classic
	ng/ml	3.55	2.66	4.44	
	ng/dl	355	266	444	
	nmol/l	4.18	3.14	5.23	Siemens Immulite 2000/2500
	ng/ml	2.72	2.04	3.40	
	ng/dl	272	204	340	
	nmol/l	4.30	3.23	5.38	Siemens Immulite 1000
	ng/ml	2.80	2.10	3.50	
	ng/dl	280	210	350	
	nmol/l	4.14	3.11	5.18	Beckman Dxl800
	ng/ml	2.70	2.02	3.38	
	ng/dl	270	202	338	
	nmol/l	4.65	3.49	5.81	Roche Elecsys
	ng/ml	3.03	2.27	3.79	
	ng/dl	303	227	379	
	nmol/l	4.36	3.27	5.45	Diasorin Liaison
	ng/ml	2.84	2.13	3.55	
	ng/dl	284	213	355	
	nmol/l	4.52	3.39	5.65	Roche Modular E170
	ng/ml	2.94	2.21	3.67	
	ng/dl	294	221	367	
	nmol/l	4.04	3.03	5.05	Beckman Access
	ng/ml	2.63	1.97	3.29	
	ng/dl	263	197	329	
	nmol/l	4.42	3.32	5.53	Tosoh AIA360
	ng/ml	2.88	2.16	3.60	
	ng/dl	288	216	360	
	nmol/l	4.83	3.62	6.04	Vitros ECI
	ng/ml	3.14	2.36	3.92	
	ng/dl	314	236	392	
	nmol/l	3.32	2.49	4.15	CIS RIA Coated tube
	ng/ml	2.16	1.62	2.70	
	ng/dl	216	162	270	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	4.61	3.46	5.76	Roche Cobas E411
	ng/ml	3.00	2.25	3.75	
	ng/dl	300	225	375	
	nmol/l	4.50	3.38	5.63	Roche Cobas 6000/8000
	ng/ml	2.93	2.20	3.66	
	ng/dl	293	220	366	
	nmol/l	5.46	4.10	6.83	Monobind Inc. ELISA / CLIA
	ng/ml	3.55	2.67	4.43	
	ng/dl	355	267	443	
	nmol/l	5.58	4.19	6.98	Siemens Centaur CP
	ng/ml	3.63	2.73	4.53	
	ng/dl	363	273	453	
Total T4	nmol/l	138	104	173	Abbott Architect
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	153	115	191	BioMerieux Vidas
	µg/dl	11.9	8.97	14.8	
	ng/ml	119	89.7	148	
	nmol/l	151	98.2	204	Siemens Centaur XP/XPT/Classic
	µg/dl	11.8	7.67	15.9	
	ng/ml	118	76.7	159	
	nmol/l	144	108	180	Siemens Immulite 2000/2500
	µg/dl	11.2	8.42	14.0	
	ng/ml	112	84.2	140	
	nmol/l	146	110	183	Siemens Immulite 1000
	µg/dl	11.4	8.58	14.2	
	ng/ml	114	85.8	142	
	nmol/l	140	105	175	Beckman Dxl800
	µg/dl	10.9	8.19	13.6	
	ng/ml	109	81.9	136	
	nmol/l	126	94.5	158	Roche Elecsys
	µg/dl	9.83	7.37	12.3	
	ng/ml	98.3	73.7	123	
	nmol/l	108	81.0	135	Diasorin Liaison
	µg/dl	8.42	6.32	10.5	
	ng/ml	84.2	63.2	105	
	nmol/l	126	94.5	158	Roche Modular E170
	µg/dl	9.83	7.37	12.3	
	ng/ml	98.3	73.7	123	
	nmol/l	138	104	173	Beckman Access
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	130	97.5	163	Tosoh AIA360
	µg/dl	10.1	7.61	12.6	
	ng/ml	101	76.1	126	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	143	107	179	Vitros ECI
	µg/dl	11.2	8.35	14.1	
	ng/ml	112	83.5	141	
	nmol/l	132	99.0	165	MP Biomedicals RIA
	µg/dl	10.3	7.72	12.9	
	ng/ml	103	77.2	129	
	nmol/l	130	97.5	163	CIS RIA Coated tube
	µg/dl	10.1	7.61	12.6	
	ng/ml	101	76.1	126	
	nmol/l	131	98.3	164	Roche Cobas E411
	µg/dl	10.2	7.67	12.7	
	ng/ml	102	76.7	127	
	nmol/l	129	96.8	161	Roche Cobas 6000/8000
	µg/dl	10.1	7.55	12.7	
	ng/ml	101	75.5	127	
	nmol/l	119	89.3	149	Immunotech IRMA
	µg/dl	9.28	6.97	11.6	
	ng/ml	92.8	69.7	116	
	nmol/l	162	122	203	Siemens Dimension
	µg/dl	12.6	9.52	15.7	
	ng/ml	126	95.2	157	
	nmol/l	158	103	213	Siemens Centaur CP
	µg/dl	12.3	8.00	16.6	
	ng/ml	123	80.0	166	
Valproic Acid	µmol/l	526	421	631	Abbott AXSYM
	µg/ml	75.9	60.8	91.0	
	µmol/l	537	430	644	Abbott Architect
	µg/ml	77.5	62.0	93.0	
	µmol/l	541	433	649	Siemens Centaur XP/XPT/Classic
	µg/ml	78.1	62.5	93.7	
	µmol/l	554	443	665	Siemens Dimension
	µg/ml	79.9	63.9	95.9	
	µmol/l	554	443	665	Siemens Immulite 2000/2500
	µg/ml	79.9	63.9	95.9	
	µmol/l	561	449	673	Siemens Immulite 1000
	µg/ml	81.0	64.8	97.2	
	µmol/l	544	435	653	Roche Integra
	µg/ml	78.5	62.8	94.2	
	µmol/l	564	451	677	Vitros
	µg/ml	81.4	65.1	97.7	
	µmol/l	546	437	655	Roche Modular P-D
	µg/ml	78.8	63.1	94.5	
	µmol/l	533	426	640	Roche Cobas E411
	µg/ml	76.9	61.5	92.3	
	µmol/l	557	446	668	Roche Cobas 6000/8000
	µg/ml	80.4	64.4	96.4	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	μmol/l	537	430	644	Beckman DxC
	μg/ml	77.5	62.0	93.0	
	μmol/l	581	465	697	Beckman AU400/600/640/2700/5400
	μg/ml	83.8	67.1	101	
	μmol/l	608	486	730	Siemens ADVIA 1200/1650/1800/2400
	μg/ml	87.7	70.1	105	
	μmol/l	548	438	658	Siemens Centaur CP
	μg/ml	79.1	63.2	95.0	
Vancomycin	μmol/l	638	510	765	Gravimetric
	μg/ml	92.0	73.6	110	
	μmol/l	7.58	6.06	9.10	Roche Integra
	μg/ml	11.3	9.00	13.6	
	μmol/l	5.55	4.44	6.66	Ortho Vitros Microslide Systems
	μg/ml	8.25	6.60	9.90	
	μmol/l	6.89	5.51	8.27	Abbott Architect
	μg/ml	10.2	8.19	12.2	
	μmol/l	6.04	4.71	7.37	Siemens Centaur XP/XPT/Classic
	μg/ml	8.97	7.00	10.9	
	μmol/l	6.04	4.83	7.25	Siemens Dimension
	μg/ml	8.97	7.18	10.8	
	μmol/l	6.47	5.18	7.76	Roche Cobas 6000/8000
	μg/ml	9.61	7.70	11.5	
	μmol/l	6.60	5.28	7.92	Beckman DxC
	μg/ml	9.81	7.84	11.8	
	μmol/l	7.10	5.68	8.52	Gravimetric
	μg/ml	10.5	8.44	12.7	
Vitamin B12	pmol/l	419	335	503	Abbott Architect
	pg/ml	568	454	682	
	pmol/l	434	326	542	Siemens Centaur XP/XPT/Classic
	pg/ml	588	441	735	
	pmol/l	391	313	469	Siemens Immulite 2000
	pg/ml	530	424	636	
	pmol/l	396	317	475	Siemens Immulite 1000
	pg/ml	537	430	644	
	pmol/l	374	299	449	Beckman Dxl800
	pg/ml	507	405	609	
	pmol/l	394	315	473	Roche Elecsys
	pg/ml	534	427	641	
	pmol/l	413	330	496	Roche Modular E170
	pg/ml	560	447	673	
	pmol/l	382	306	458	Beckman Access
	pg/ml	518	415	621	
	pmol/l	530	424	636	Tosoh AIA360
	pg/ml	718	575	861	
	pmol/l	423	338	508	Vitros ECi
	pg/ml	573	458	688	

IMMUNOASSAY PREMIUM PLUS - LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1507EC Size: 12 x 5 ml / 12 x 5 ml Expiry: 2018-04

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	427	342	512	MP Biomedicals RIA
	pg/ml	579	463	695	
	pmol/l	400	320	480	Roche Cobas E411
	pg/ml	542	434	650	
	pmol/l	410	328	492	Roche Cobas 6000/8000
	pg/ml	556	444	668	
	pmol/l	398	318	478	Siemens Dimension
	pg/ml	539	431	647	
	pmol/l	465	349	581	Siemens Centaur CP
	pg/ml	630	473	787	