

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

CAT. NO. IA3110	GTIN: 05055273207262	SIZE: 12 x 5 ml
CAT. NO. IA3112	GTIN: 05055273207286	SIZE: 4 x 5 ml
LOT NO. 1812EC	EXPIRY: 2021-05-28	

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

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

Thyroglobulin should be tested within 4 hours of reconstitution when stored at +2°C to +8°C, or within 2 weeks when stored at -20°C. ACTH should be tested immediately after the 30-minute reconstitution period. No frozen stability claim is made for ACTH, Aldosterone and C-Peptide. Only the required amount of product should be removed. After use, any residual product should NOT BE RETURNED to the original vial.

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

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

PREPARATION

Immunoassay Premium Plus is supplied lyophilised.

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

MATERIALS PROVIDED

Immunoassay Premium Plus - Level 2: 12 x 5 ml Tri-Level: 4 x 5 ml

MATERIAL REQUIRED BUT NOT PROVIDED

Volumetric pipette

VALUE ASSIGNMENT

Each batch of Immunoassay Premium Plus is submitted to a number of external laboratories. Values are assigned from a consensus of results obtained by these laboratories, using a unique statistical analysis. Average values should normally fall within the listed ranges for analytes in the instruments specified in this product insert. However, variations may be caused by instrument reagents and laboratory technique. Therefore, the range produced herein should only be considered as a reference and it is recommended that each laboratory establish its own mean and acceptable ranges. Aldosterone is present in control levels 2 and level 3 only. Parathyroid Hormone (PTH) is present in the control, but no claim is made for the expected value or stability of this analyte.

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

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IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Analyte	unit	Target	Range		methods	
			low	high		
17-OH-Progesterone	nmol/l	9.97	7.48	12.5	Immunotech RIA	
	ng/ml	3.30	2.48	4.12		
	nmol/l	14.1	10.6	17.6	DRG ELISA	
	ng/ml	4.67	3.51	5.83		
	nmol/l	14.5	10.9	18.1	DIAsource RIA	
	ng/ml	4.80	3.61	5.99		
	nmol/l	14.6	11.0	18.3	DiaMetra ELISA	
	ng/ml	4.83	3.64	6.02		
	nmol/l	11.8	8.85	14.8	SNIBE Maglumi Analysers	
	ng/ml	3.91	2.93	4.89		
	25-OH Vitamin D	nmol/l	71.9	53.9	89.9	Diasorin Liaison
		nmol/l	84.1	63.1	105	Siemens Centaur XP/XPT/Classic
nmol/l		56.1	42.1	70.1	Roche Vitamin D Total	
nmol/l		67.8	50.9	84.8	HPLC	
nmol/l		57.7	43.3	72.1	Abbott Architect	
nmol/l		62.0	46.5	77.5	IDS iSYS	
nmol/l		71.6	53.7	89.5	SNIBE Maglumi Analysers	
nmol/l		77.0	57.8	96.3	Vitros ECi	
nmol/l		64.6	48.5	80.8	Tosoh Series	
nmol/l		73.9	55.4	92.4	BioMerieux Vidas	
nmol/l		55.2	41.4	69.0	Beckman Dxl 600/800	
nmol/l		57.1	42.8	71.4	Fujirebio Lumipulse G Series	
nmol/l		58.0	43.5	72.5	Beckman Access 25 OH Vitamin D Total	
nmol/l	59.5	44.6	74.4	Roche Vitamin D Total II		
ACTH	pmol/l	9.35	7.01	11.7	Siemens Immulite 2000/2500	
	pg/ml	42.5	31.9	53.1		
	pmol/l	4.46	3.35	5.58	Roche Cobas 6000/8000	
	pg/ml	20.3	15.2	25.4		
	pmol/l	15.3	11.5	19.1	CIS IRMA	
	pg/ml	69.5	52.3	86.7		
	pmol/l	9.29	6.97	11.6	Siemens Immulite 1000	
	pg/ml	42.2	31.7	52.7		
	pmol/l	11.6	8.70	14.5	SNIBE Maglumi Analysers	
	pg/ml	52.7	39.5	65.9		
	Aldosterone	pmol/l	93.8	70.4	117	CIS RIA
		pg/ml	33.8	25.4	42.2	
pmol/l		347	260	434	ELISA	
pg/ml		125	93.8	156		
pmol/l		351	263	439	SNIBE Maglumi Analysers	
pg/ml		127	94.9	159		
	pmol/l	298	224	373	IDS iSYS	
	pg/ml	108	80.8	135		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Analyte	unit	Target	Range		methods
			low	high	
Aldosterone	pmol/l	290	218	363	Diasorin Liaison
	pg/ml	105	78.7	131	
Alphafoetoprotein	KIU/l = IU/ml	45.6	36.5	54.7	Abbott Architect
	ng/ml	55.2	44.2	66.2	
	KIU/l = IU/ml	41.9	33.5	50.3	BioMerieux Vidas
	ng/ml	50.7	40.5	60.9	
	KIU/l = IU/ml	54.1	42.7	65.5	Siemens Centaur XP/XPT/Classic
	ng/ml	65.5	51.7	79.3	
	KIU/l = IU/ml	42.7	34.2	51.2	Siemens Immulite 2000/2500
	ng/ml	51.7	41.4	62.0	
	KIU/l = IU/ml	44.7	35.8	53.6	Siemens Immulite 1000
	ng/ml	54.1	43.3	64.9	
	KIU/l = IU/ml	46.2	37.0	55.4	Beckman Dxl800
	ng/ml	55.9	44.8	67.0	
	KIU/l = IU/ml	48.5	38.8	58.2	Roche Elecsys
	ng/ml	58.7	46.9	70.5	
	KIU/l = IU/ml	49.2	39.4	59.0	Diasorin Liaison
	ng/ml	59.5	47.7	71.3	
	KIU/l = IU/ml	49.6	39.7	59.5	Roche Modular E170
	ng/ml	60.0	48.0	72.0	
	KIU/l = IU/ml	48.6	38.9	58.3	Beckman Access
	ng/ml	58.8	47.1	70.5	
KIU/l = IU/ml	44.6	35.7	53.5	Tosoh Series	
ng/ml	54.0	43.2	64.8		
KIU/l = IU/ml	49.5	39.6	59.4	Vitros ECi	
ng/ml	59.9	47.9	71.9		
KIU/l = IU/ml	49.7	39.8	59.6	Roche Cobas 6000/8000	
ng/ml	60.1	48.2	72.0		
KIU/l = IU/ml	66.4	53.1	79.7	CIS IRMA	
ng/ml	80.3	64.3	96.3		
KIU/l = IU/ml	49.9	39.9	59.9	Roche Cobas E411	
ng/ml	60.4	48.3	72.5		
KIU/l = IU/ml	44.3	35.4	53.2	SNIBE Maglumi Analysers	
ng/ml	53.6	42.8	64.4		
KIU/l = IU/ml	46.8	37.4	56.2	Fujirebio Lumipulse G Series	
ng/ml	56.6	45.3	67.9		
KIU/l = IU/ml	52.0	41.6	62.4	Siemens Dimension	
ng/ml	62.9	50.3	75.5		
KIU/l = IU/ml	52.5	41.5	63.5	Siemens Centaur CP	
ng/ml	63.5	50.2	76.8		
Amikacin	µmol/l	13.9	11.1	16.7	Roche Cobas 6000/8000
	µg/ml	8.14	6.50	9.78	
	µmol/l	15.2	12.2	18.2	Gravimetric
	µg/ml	8.90	7.14	10.7	
Androstenedione	nmol/l	13.3	9.98	16.6	Siemens Immulite 2000
	ng/ml	3.82	2.86	4.78	

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Range					
Analyte	unit	Target	low	high	methods
Beta-2-microglobulin	µg/ml = mg/l	3.44	2.75	4.13	Abbott Architect
	µg/ml = mg/l	3.58	2.86	4.30	BioMerieux Vidas
	µg/ml = mg/l	3.46	2.77	4.15	Behring Nephelometer
	µg/ml = mg/l	3.12	2.50	3.74	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.85	3.08	4.62	Siemens Immulite 1000
	µg/ml = mg/l	3.00	2.40	3.60	Diasorin Liaison
	µg/ml = mg/l	3.36	2.69	4.03	Tosoh Series
	µg/ml = mg/l	3.47	2.78	4.16	Roche Cobas 6000/8000
	µg/ml = mg/l	3.42	2.74	4.10	Siemens Dimension
	µg/ml = mg/l	2.79	2.23	3.35	SNIBE Maglumi Analysers
	µg/ml = mg/l	2.96	2.37	3.55	Fujirebio Lumipulse G Series
C-Peptide	nmol/l	1.670	1.250	2.090	Siemens Immulite 2000/2500
	ng/ml	5.04	3.77	6.31	
	nmol/l	1.730	1.300	2.160	Roche Elecsys
	ng/ml	5.22	3.92	6.52	
	nmol/l	1.720	1.290	2.150	Roche Cobas 6000/8000
	ng/ml	5.19	3.89	6.49	
	nmol/l	1.590	1.190	1.990	Siemens Immulite 1000
	ng/ml	4.80	3.59	6.01	
	nmol/l	1.980	1.490	2.480	Diasorin Liaison
	ng/ml	5.98	4.50	7.46	
	nmol/l	1.740	1.310	2.180	Roche Cobas E411
	ng/ml	5.25	3.95	6.55	
	nmol/l	1.580	1.190	1.980	Abbott Architect
	ng/ml	4.77	3.59	5.95	
	nmol/l	1.240	0.930	1.550	Siemens Centaur XP/XPT/Classic
	ng/ml	3.74	2.81	4.67	
	nmol/l	1.530	1.150	1.910	Tosoh Series
	ng/ml	4.62	3.47	5.77	
nmol/l	1.500	1.130	1.880	ELISA	
ng/ml	4.53	3.41	5.65		
nmol/l	1.770	1.330	2.210	SNIBE Maglumi Analysers	
ng/ml	5.34	4.02	6.66		
CA 15-3	U/ml	48.1	38.5	57.7	Abbott Architect
	U/ml	43.1	34.5	51.7	BioMerieux Vidas
	U/ml	44.9	30.5	59.3	Siemens Centaur XP/XPT/Classic
	U/ml	49.3	39.4	59.2	Siemens Immulite 2000/2500
	U/ml	57.1	45.7	68.5	Siemens Immulite 1000
	U/ml	20.6	16.5	24.7	Beckman DxI800
	U/ml	42.9	34.3	51.5	Roche Elecsys
	U/ml	48.3	38.6	58.0	Diasorin Liaison
	U/ml	44.2	35.4	53.0	Roche Modular E170
	U/ml	21.0	16.8	25.2	Beckman Access
	U/ml	46.7	37.4	56.0	Tosoh Series
	U/ml	43.3	34.6	52.0	Vitros ECi
	U/ml	44.6	35.7	53.5	Roche Cobas 6000/8000

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
CA 15-3	U/ml	43.8	35.0	52.6	Roche Cobas E411
	U/ml	37.6	30.1	45.1	SNIBE Maglumi Analysers
	U/ml	50.4	40.3	60.5	Fujirebio Lumipulse G Series
	U/ml	42.5	28.9	56.1	Siemens Centaur CP
CA 19-9	U/ml	735	588	882	Abbott Architect
	U/ml	148	118	178	BioMerieux Vidas
	U/ml	244	166	322	Siemens Centaur XP/XPT/Classic
	U/ml	90.8	72.6	109	Siemens Immulite 2000/2500
	U/ml	92.9	74.3	111	Beckman Dxl800
	U/ml	64.6	51.7	77.5	Roche Elecsys
	U/ml	158	126	190	Diasorin Liaison
	U/ml	61.3	49.0	73.6	Roche Modular E170
	U/ml	102	81.6	122	Beckman Access
	U/ml	47.0	37.6	56.4	Tosoh Series
	U/ml	157	126	188	Vitros ECi
	U/ml	746	597	895	Abbott Architect XR/XR2 kit
	U/ml	61.3	49.0	73.6	Roche Cobas 6000/8000
	U/ml	62.8	50.2	75.4	Roche Cobas E411
	U/ml	81.3	65.0	97.6	SNIBE Maglumi Analysers
	U/ml	135	108	162	Fujirebio Lumipulse G Series
U/ml	232	158	306	Siemens Centaur CP	
CA125	U/ml	143	114	172	Abbott Architect
	U/ml	106	84.8	127	BioMerieux Vidas
	U/ml	117	79.6	154	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	117	79.6	154	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	112	89.6	134	Siemens Immulite 2000/2500
	U/ml	128	102	154	Siemens Immulite 1000
	U/ml	98.1	78.5	118	Beckman Dxl800
	U/ml	103	82.4	124	Roche Elecsys
	U/ml	144	115	173	Diasorin Liaison
	U/ml	101	80.8	121	Roche Modular E170
	U/ml	101	80.8	121	Beckman Access
	U/ml	185	148	222	Tosoh Series
	U/ml	107	85.6	128	Vitros ECi
	U/ml	102	81.6	122	Roche Cobas E411
	U/ml	101	80.8	121	Roche Cobas 6000/8000
	U/ml	113	90.4	136	SNIBE Maglumi Analysers
U/ml	99.0	79.2	119	Fujirebio Lumipulse G Series	
U/ml	118	80.2	156	Siemens Centaur CP CA125 II kit	
Carbamazepine	µmol/l	37.0	29.6	44.4	Abbott Architect
	µg/ml	8.75	7.00	10.5	
	µmol/l	40.8	28.6	53.0	Siemens Centaur XP/XPT/Classic
	µg/ml	9.65	6.76	12.5	
	µmol/l	35.2	28.2	42.2	Siemens Dimension
	µg/ml	8.32	6.67	9.97	
	µmol/l	31.7	25.4	38.0	Siemens Immulite 2000/2500
µg/ml	7.49	6.00	8.98		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	34.1	27.3	40.9	Siemens Immulite 1000
	µg/ml	8.06	6.45	9.67	
	µmol/l	37.4	29.9	44.9	Roche Integra
	µg/ml	8.84	7.07	10.6	
	µmol/l	34.8	27.8	41.8	Vitros
	µg/ml	8.23	6.57	9.89	
	µmol/l	35.7	28.6	42.8	Roche Cobas E411
	µg/ml	8.44	6.76	10.1	
	µmol/l	37.1	29.7	44.5	Roche Cobas 6000/8000
	µg/ml	8.77	7.02	10.5	
	µmol/l	33.5	26.8	40.2	Beckman DxC
	µg/ml	7.92	6.34	9.50	
	µmol/l	40.4	32.3	48.5	Beckman AU400/600/640/2700/5400
	µg/ml	9.55	7.64	11.5	
µmol/l	37.0	29.6	44.4	Siemens ADVIA 1200/1650/1800/2400	
µg/ml	8.75	7.00	10.5		
µmol/l	38.5	30.8	46.2	Gravimetric	
µg/ml	9.10	7.28	10.9		
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	26.1	20.9	31.3	Abbott Architect
	ng/ml = µg/l	23.6	18.9	28.3	BioMerieux Vidas
	ng/ml = µg/l	25.9	17.6	34.2	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	17.5	14.0	21.0	CIS RIA Coated tube
	ng/ml = µg/l	33.2	26.6	39.8	Siemens Immulite 2000/2500
	ng/ml = µg/l	33.4	26.7	40.1	Siemens Immulite 1000
	ng/ml = µg/l	21.7	17.4	26.0	Beckman Dxl800
	ng/ml = µg/l	21.3	17.0	25.6	Roche Elecsys
	ng/ml = µg/l	21.5	17.2	25.8	Diasorin Liaison
	ng/ml = µg/l	21.8	17.4	26.2	Roche Modular E170
	ng/ml = µg/l	22.9	18.3	27.5	Beckman Access
	ng/ml = µg/l	33.0	26.4	39.6	Tosoh Series
	ng/ml = µg/l	27.6	22.1	33.1	Vitros ECi
	ng/ml = µg/l	21.5	17.2	25.8	Roche Cobas 6000/8000
	ng/ml = µg/l	21.7	17.4	26.0	Roche Cobas E411
	ng/ml = µg/l	22.5	18.0	27.0	SNIBE Maglumi Analysers
ng/ml = µg/l	32.4	25.9	38.9	Fujirebio Lumipulse G Series	
ng/ml = µg/l	26.6	18.1	35.1	Siemens Centaur CP	
Cortisol	nmol/l	555	416	694	Abbott Architect
	µg/dl	20.0	15.0	25.0	
	nmol/l	536	402	670	BioMerieux Vidas
	µg/dl	19.3	14.5	24.1	
	nmol/l	716	494	938	Siemens Centaur XP/XPT/Classic
	µg/dl	25.8	17.8	33.8	
	nmol/l	533	400	666	CIS RIA
	µg/dl	19.2	14.4	24.0	
nmol/l	647	485	809	Siemens Immulite 2000/2500	
µg/dl	23.3	17.5	29.1		

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Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	666	500	833	Siemens Immulite 1000
	µg/dl	24.0	18.0	30.0	
	nmol/l	603	452	754	Beckman DxI800
	µg/dl	21.7	16.3	27.1	
	nmol/l	613	460	766	Roche Elecsys
	µg/dl	22.1	16.6	27.6	
	nmol/l	655	491	819	Diasorin Liaison
	µg/dl	23.6	17.7	29.5	
	nmol/l	621	466	776	Roche Modular E170
	µg/dl	22.4	16.8	28.0	
	nmol/l	667	500	834	Beckman Access
	µg/dl	24.0	18.0	30.0	
	nmol/l	675	506	844	Tosoh Series
	µg/dl	24.3	18.2	30.4	
	nmol/l	588	441	735	Vitros ECi
	µg/dl	21.2	15.9	26.5	
	nmol/l	617	463	771	Roche Cobas 6000/8000
	µg/dl	22.2	16.7	27.7	
	nmol/l	644	483	805	Roche Cobas E411
	µg/dl	23.2	17.4	29.0	
nmol/l	679	509	849	SNIBE Maglumi Analysers	
µg/dl	24.4	18.3	30.5		
nmol/l	761	525	997	Siemens Centaur CP	
µg/dl	27.4	18.9	35.9		
nmol/l	608	456	760	Roche Modular E170 Gen II	
µg/dl	21.9	16.4	27.4		
nmol/l	658	494	823	Roche Cobas 4000/e411 Gen II	
µg/dl	23.7	17.8	29.6		
nmol/l	610	458	763	Roche Cobas 6000/8000 Gen II	
µg/dl	22.0	16.5	27.5		
nmol/l	641	481	801	Roche Elecsys Gen II	
µg/dl	23.1	17.3	28.9		
DHEA-S	µmol/l	13.6	10.9	16.3	Abbott Architect
	µmol/l	11.7	9.36	14.0	Siemens Immulite 2000/2500
	µmol/l	12.1	9.68	14.5	Siemens Immulite 1000
	µmol/l	11.2	8.96	13.4	Beckman DxI800
	µmol/l	16.1	12.9	19.3	Roche Elecsys
	µmol/l	16.4	13.1	19.7	Roche Modular E170
	µmol/l	12.5	10.0	15.0	Beckman Access
	µmol/l	11.3	9.04	13.6	Diasorin Liaison
	µmol/l	11.5	7.48	15.5	Siemens Centaur XP/XPT/Classic
	µmol/l	15.9	12.7	19.1	Roche Cobas E411
	µmol/l	16.3	13.0	19.6	Roche Cobas 6000/8000
	µmol/l	13.5	10.8	16.2	SNIBE Maglumi Analysers
Digoxin	nmol/l	2.60	2.08	3.12	Abbott Architect
	ng/ml	2.03	1.62	2.44	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

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Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	2.81	2.25	3.37	BioMerieux Vidas
	ng/ml	2.19	1.76	2.62	
	nmol/l	3.37	2.59	4.15	Siemens Centaur XP/XPT/Classic
	ng/ml	2.63	2.03	3.23	
	nmol/l	2.98	2.38	3.58	Siemens Dimension
	ng/ml	2.33	1.86	2.80	
	nmol/l	3.57	2.86	4.28	Siemens Immulite 2000/2500
	ng/ml	2.79	2.23	3.35	
	nmol/l	3.12	2.50	3.74	Beckman Dxl800
	ng/ml	2.44	1.95	2.93	
	nmol/l	3.32	2.66	3.98	Roche Elecsys
	ng/ml	2.59	2.08	3.10	
	nmol/l	2.94	2.35	3.53	Roche Integra
	ng/ml	2.30	1.84	2.76	
	nmol/l	3.17	2.54	3.80	Beckman Access
	ng/ml	2.48	1.98	2.98	
	nmol/l	3.11	2.49	3.73	Vitros
	ng/ml	2.43	1.94	2.92	
	nmol/l	3.11	2.49	3.73	Roche Cobas 6000/8000
	ng/ml	2.43	1.94	2.92	
nmol/l	2.60	2.08	3.12	Beckman DxC	
ng/ml	2.03	1.62	2.44		
nmol/l	3.20	2.56	3.84	Beckman AU400/600/640/2700/5400	
ng/ml	2.50	2.00	3.00		
nmol/l	3.02	2.42	3.62	Siemens ADVIA 1200/1650/1800/2400	
ng/ml	2.36	1.89	2.83		
nmol/l	3.51	2.81	4.21	SNIBE Maglumi Analysers	
ng/ml	2.74	2.19	3.29		
nmol/l	3.19	2.55	3.83	Roche Cobas 4000/E411	
ng/ml	2.49	1.99	2.99		
nmol/l	3.07	2.46	3.68	Gravimetric	
ng/ml	2.40	1.92	2.87		
Ethosuximide	µmol/l	360	288	432	Gravimetric
	µg/ml	51.0	40.8	61.3	
Ferritin	ng/ml = µg/l	118	94.4	142	Abbott Architect
	ng/ml = µg/l	91.2	73.0	109	BioMerieux Vidas
	ng/ml = µg/l	101	75.8	126	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	100	80.0	120	Siemens Dimension
	ng/ml = µg/l	102	81.6	122	Siemens Immulite 2000/2500
	ng/ml = µg/l	95.7	76.6	115	Siemens Immulite 1000
	ng/ml = µg/l	77.9	62.3	93.5	Beckman Dxl800
	ng/ml = µg/l	120	96.0	144	Roche Elecsys
	ng/ml = µg/l	101	80.8	121	Diasorin Liaison
	ng/ml = µg/l	118	94.4	142	Roche Modular E170
ng/ml = µg/l	80.7	64.6	96.8	Beckman Access	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Ferritin	ng/ml = µg/l	78.8	63.0	94.6	Tosoh Series
	ng/ml = µg/l	73.1	58.5	87.7	Vitros ECI
	ng/ml = µg/l	108	86.4	130	Immunotech IRMA
	ng/ml = µg/l	116	92.8	139	Roche Cobas E411
	ng/ml = µg/l	94.2	75.4	113	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	89.0	71.2	107	SNIBE Maglumi Analysers
	ng/ml = µg/l	63.7	51.0	76.4	Fujirebio Lumipulse G Series
	ng/ml = µg/l	95.9	71.9	120	Siemens Centaur CP
Folate	nmol/l	11.8	8.97	14.6	Abbott Architect
	ng/ml	5.20	3.96	6.44	
	nmol/l	27.5	17.9	37.1	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	12.1	7.87	16.3	
	nmol/l	10.2	7.75	12.6	Siemens Immulite 2000
	ng/ml	4.50	3.42	5.58	
	nmol/l	13.9	10.6	17.2	Beckman DxI800
	ng/ml	6.13	4.67	7.59	
	nmol/l	11.4	8.66	14.1	Roche Elecsys
	ng/ml	5.03	3.82	6.24	
	nmol/l	14.1	10.7	17.5	Beckman Access
	ng/ml	6.22	4.72	7.72	
	nmol/l	20.9	15.9	25.9	Tosoh Series
	ng/ml	9.22	7.01	11.4	
	nmol/l	8.96	6.81	11.1	Vitros ECI
	ng/ml	3.95	3.00	4.90	
	nmol/l	10.6	8.06	13.1	MP Biomedicals RIA
	ng/ml	4.67	3.55	5.79	
	nmol/l	12.2	9.27	15.1	Roche Cobas E411
	ng/ml	5.38	4.09	6.67	
	nmol/l	12.3	9.35	15.3	Roche Cobas 6000/8000
	ng/ml	5.42	4.12	6.72	
	nmol/l	8.43	6.41	10.5	Siemens Dimension
	ng/ml	3.72	2.83	4.61	
nmol/l	30.8	20.0	41.6	Siemens Centaur CP (enhanced kit)	
ng/ml	13.6	8.84	18.4		
nmol/l	12.3	9.35	15.3	Roche Cobas 6000/8000 Folate III	
ng/ml	5.42	4.12	6.72		
nmol/l	11.4	8.66	14.1	Roche Cobas 4000/e411 Folate III	
ng/ml	5.03	3.82	6.24		
Free T3	pmol/l	12.1	9.08	15.1	Abbott Architect
	ng/dl	0.787	0.590	0.984	
	pg/ml	7.88	5.91	9.85	
	pmol/l	13.9	10.4	17.4	BioMerieux Vidas
	ng/dl	0.904	0.676	1.13	
	pg/ml	9.05	6.77	11.3	
	pmol/l	13.6	8.16	19.0	Siemens Centaur XP/XPT/Classic
	ng/dl	0.884	0.530	1.24	
pg/ml	8.85	5.31	12.4		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	9.53	7.15	11.9	Siemens Immulite 2000/2500
	ng/dl	0.619	0.465	0.773	
	pg/ml	6.20	4.65	7.75	
	pmol/l	9.49	7.12	11.9	Siemens Immulite 1000
	ng/dl	0.617	0.463	0.771	
	pg/ml	6.18	4.64	7.72	
	pmol/l	10.0	7.50	12.5	Beckman DxI800
	ng/dl	0.650	0.488	0.812	
	pg/ml	6.51	4.88	8.14	
	pmol/l	15.8	11.9	19.8	Roche Elecsys
	ng/dl	1.03	0.774	1.29	
	pg/ml	10.3	7.75	12.9	
	pmol/l	18.0	13.5	22.5	Diasorin Liaison
	ng/dl	1.17	0.878	1.46	
	pg/ml	11.7	8.79	14.6	
	pmol/l	15.6	11.7	19.5	Roche Modular E170
	ng/dl	1.01	0.761	1.26	
	pg/ml	10.2	7.62	12.8	
	pmol/l	11.2	8.40	14.0	Beckman Access
	ng/dl	0.728	0.546	0.910	
	pg/ml	7.29	5.47	9.11	
	pmol/l	17.2	12.9	21.5	Tosoh Series
	ng/dl	1.12	0.839	1.40	
	pg/ml	11.2	8.40	14.0	
	pmol/l	31.6	23.7	39.5	Vitros ECi
	ng/dl	2.05	1.54	2.56	
	pg/ml	20.6	15.4	25.8	
pmol/l	15.8	11.9	19.8	Roche Cobas E411	
ng/dl	1.03	0.774	1.29		
pg/ml	10.3	7.75	12.9		
pmol/l	15.9	11.9	19.9	Roche Cobas 6000/8000	
ng/dl	1.03	0.774	1.29		
pg/ml	10.4	7.75	13.1		
pmol/l	16.4	12.3	20.5	Siemens Dimension	
ng/dl	1.07	0.800	1.34		
pg/ml	10.7	8.01	13.4		
pmol/l	16.2	12.2	20.3	Siemens Dimension Vista LOCI	
ng/dl	1.05	0.793	1.31		
pg/ml	10.5	7.94	13.1		
pmol/l	13.0	9.75	16.3	SNIBE Maglumi Analysers	
ng/dl	0.845	0.634	1.06		
pg/ml	8.46	6.35	10.6		
pmol/l	12.8	7.68	17.9	Siemens Centaur CP	
ng/dl	0.832	0.499	1.17		
pg/ml	8.33	5.00	11.7		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	29.9	22.4	37.4	Abbott Architect
	ng/dl	2.33	1.75	2.91	
	pg/ml	23.3	17.5	29.1	
	pmol/l	32.2	24.2	40.2	Siemens Centaur XP/XPT/Classic
	ng/dl	2.51	1.88	3.14	
	pg/ml	25.1	18.8	31.4	
	pmol/l	44.6	33.5	55.8	CIS RIA Coated tube
	ng/dl	3.48	2.61	4.35	
	pg/ml	34.8	26.1	43.5	
	pmol/l	35.7	26.8	44.6	Siemens Dimension
	ng/dl	2.78	2.09	3.47	
	pg/ml	27.8	20.9	34.7	
	pmol/l	43.8	32.9	54.8	Siemens Immulite 2000/2500
	ng/dl	3.42	2.57	4.27	
	pg/ml	34.2	25.7	42.7	
	pmol/l	45.5	34.1	56.9	Siemens Immulite 1000
	ng/dl	3.55	2.66	4.44	
	pg/ml	35.5	26.6	44.4	
	pmol/l	35.1	26.3	43.9	Beckman DxI800
	ng/dl	2.74	2.05	3.43	
	pg/ml	27.4	20.5	34.3	
	pmol/l	42.9	32.2	53.6	Roche Elecsys
	ng/dl	3.35	2.51	4.19	
	pg/ml	33.5	25.1	41.9	
	pmol/l	53.6	40.2	67.0	Diasorin Liaison
	ng/dl	4.18	3.14	5.22	
	pg/ml	41.8	31.4	52.2	
	pmol/l	39.4	29.6	49.3	Roche Modular E170
	ng/dl	3.07	2.31	3.83	
	pg/ml	30.7	23.1	38.3	
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	43.1	32.3	53.9	Tosoh Series	
ng/dl	3.36	2.52	4.20		
pg/ml	33.6	25.2	42.0		
pmol/l	79.3	59.5	99.0	Vitros ECi	
ng/dl	6.19	4.64	7.74		
pg/ml	61.9	46.4	77.4		
pmol/l	41.5	31.1	51.9	Roche Cobas 6000/8000	
ng/dl	3.24	2.43	4.05		
pg/ml	32.4	24.3	40.5		
pmol/l	37.2	27.9	46.5	Immunotech IRMA	
ng/dl	2.90	2.18	3.62		
pg/ml	29.0	21.8	36.2		
pmol/l	42.6	32.0	53.3	Roche Cobas E411	
ng/dl	3.32	2.50	4.14		
pg/ml	33.2	25.0	41.4		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	30.0	22.5	37.5	ELISA
	ng/dl	2.34	1.76	2.92	
	pg/ml	23.4	17.6	29.2	
	pmol/l	36.4	27.3	45.5	Siemens Dimension Vista LOCI
	ng/dl	2.84	2.13	3.55	
	pg/ml	28.4	21.3	35.5	
	pmol/l	45.0	33.8	56.3	SNIBE Maglumi Analysers
	ng/dl	3.51	2.64	4.38	
	pg/ml	35.1	26.4	43.8	
	pmol/l	47.2	35.4	59.0	Biomerieux Vidas FT4N Kit
	ng/dl	3.68	2.76	4.60	
	pg/ml	36.8	27.6	46.0	
pmol/l	34.1	25.6	42.6	Siemens Centaur CP	
ng/dl	2.66	2.00	3.32		
pg/ml	26.6	20.0	33.2		
FSH	mU/ml	21.8	17.4	26.2	Abbott Architect
	mU/ml	30.7	24.6	36.8	BioMerieux Vidas
	mU/ml	33.0	24.8	41.2	Siemens Centaur XP/XPT/Classic
	mU/ml	27.0	21.6	32.4	Siemens Immulite 2000/2500
	mU/ml	25.7	20.6	30.8	Siemens Immulite 1000
	mU/ml	26.8	21.4	32.2	Beckman Dxl800
	mU/ml	24.8	19.8	29.8	Roche/BM Elecsys
	mU/ml	29.9	23.9	35.9	Diasorin Liaison
	mU/ml	23.9	19.1	28.7	Roche Modular E170
	mU/ml	26.9	21.5	32.3	Beckman Access
	mU/ml	24.9	19.9	29.9	Tosoh Series
	mU/ml	20.0	16.0	24.0	Vitros ECi
	mU/ml	25.0	20.0	30.0	Roche Cobas E411
	mU/ml	23.9	19.1	28.7	Roche Cobas 6000/8000
	mU/ml	29.0	23.2	34.8	SNIBE Maglumi Analysers
	mU/ml	21.0	16.8	25.2	Fujirebio Lumipulse G Series
mU/ml	28.8	21.6	36.0	Siemens Centaur CP	
Gentamicin	µmol/l	7.04	5.63	8.45	Roche Integra
	µg/ml	3.37	2.69	4.05	
	µmol/l	8.70	6.18	11.2	Siemens Centaur XP/XPT/Classic
	µg/ml	4.16	2.95	5.37	
	µmol/l	7.21	5.77	8.65	Siemens Dimension Vista
	µg/ml	3.45	2.76	4.14	
	µmol/l	5.54	4.43	6.65	Roche Cobas 6000/8000
	µg/ml	2.65	2.12	3.18	
	µmol/l	8.65	6.92	10.4	Beckman DxC
	µg/ml	4.13	3.31	4.95	
µmol/l	8.16	6.53	9.79	Gravimetric	
µg/ml	3.90	3.12	4.68		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Growth Hormone (GH)	µU/ml	17.5	14.0	21.0	Siemens Immulite 2000/2500
	ng/ml	5.83	4.66	7.00	
	µU/ml	15.7	12.6	18.8	Siemens Immulite 1000
	ng/ml	5.23	4.20	6.26	
	µU/ml	13.3	10.6	16.0	Beckman Dxl800
	ng/ml	4.43	3.53	5.33	
	µU/ml	13.7	11.0	16.4	Beckman Access
	ng/ml	4.56	3.66	5.46	
	µU/ml	16.3	13.0	19.6	Tosoh Series
	ng/ml	5.43	4.33	6.53	
	µU/ml	15.0	12.0	18.0	Diasorin Liaison
	ng/ml	5.00	4.00	6.00	
	µU/ml	17.5	14.0	21.0	Roche Cobas E411
	ng/ml	5.83	4.66	7.00	
	µU/ml	21.8	17.4	26.2	SNIBE Maglumi Analysers
	ng/ml	7.26	5.79	8.73	
µU/ml	17.6	14.1	21.1	Roche Cobas 6000/8000	
ng/ml	5.86	4.70	7.02		
µU/ml	14.7	11.8	17.6	IDS iSYS	
ng/ml	4.90	3.93	5.87		
Immunoglobulin E	KIU/l = IU/ml	106	84.8	127	Abbott Architect
	KIU/l = IU/ml	96.4	77.1	116	BioMerieux Vidas
	KIU/l = IU/ml	113	67.8	158	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	119	95.2	143	Siemens Immulite 2000/2500
	KIU/l = IU/ml	123	98.4	148	Siemens Immulite 1000
	KIU/l = IU/ml	106	84.8	127	Beckman Dxl800
	KIU/l = IU/ml	133	106	160	Roche Elecsys
	KIU/l = IU/ml	116	92.8	139	Pharmacia Unicap
	KIU/l = IU/ml	125	100	150	Roche Modular E170
	KIU/l = IU/ml	116	92.8	139	Tosoh Series
	KIU/l = IU/ml	128	102	154	Roche Cobas E411
	KIU/l = IU/ml	128	102	154	Roche Cobas 6000/8000
	KIU/l = IU/ml	106	84.8	127	SNIBE Maglumi Analysers
	KIU/l = IU/ml	107	85.6	128	Fujirebio Lumipulse G Series
	KIU/l = IU/ml	112	67.2	157	Siemens Centaur CP
Insulin	mU/l	21.1	15.8	26.4	Siemens Centaur XP/XPT/Classic
	µU/ml	21.1	15.8	26.4	
	mU/l	6.86	5.15	8.58	Siemens Immulite 1000
	µU/ml	6.86	5.15	8.57	
	mU/l	22.3	16.7	27.9	Roche Modular E170
	µU/ml	22.3	16.7	27.9	
	mU/l	8.36	6.27	10.5	Siemens Immulite 2000
	µU/ml	8.36	6.27	10.5	
	mU/l	21.6	16.2	27.0	Roche Elecsys
	µU/ml	21.6	16.2	27.0	
mU/l	16.4	12.3	20.5	Beckman Access	
µU/ml	16.4	12.3	20.5		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Insulin	mU/l	18.6	14.0	23.3	Abbott Architect
	µU/ml	18.6	14.0	23.2	
	mU/l	21.6	16.2	27.0	Tosoh Series
	µU/ml	21.6	16.2	27.0	
	mU/l	22.0	16.5	27.5	Roche Cobas E411
	µU/ml	22.0	16.5	27.5	
	mU/l	16.5	12.4	20.6	Beckman Dxl 600/800
	µU/ml	16.5	12.4	20.6	
	mU/l	25.5	19.1	31.9	Diasorin Liaison
	µU/ml	25.5	19.1	31.9	
	mU/l	22.2	16.7	27.8	Roche Cobas 6000/8000
	µU/ml	22.2	16.7	27.7	
	mU/l	19.3	14.5	24.1	SNIBE Maglumi Analysers
	µU/ml	19.3	14.5	24.1	
Luteinising Hormone (LH)	mU/ml	20.0	16.0	24.0	Abbott Architect
	mU/ml	22.6	18.1	27.1	BioMerieux Vidas
	mU/ml	24.4	18.8	30.0	Siemens Centaur XP/XPT/Classic
	mU/ml	35.7	28.6	42.8	Siemens Immulite 2000
	mU/ml	37.8	30.2	45.4	Siemens Immulite 1000
	mU/ml	17.2	13.8	20.6	Beckman Dxl800
	mU/ml	26.1	20.9	31.3	Roche Elecsys
	mU/ml	28.1	22.5	33.7	Diasorin Liaison
	mU/ml	26.0	20.8	31.2	Roche Modular E170
	mU/ml	17.6	14.1	21.1	Beckman Access
	mU/ml	22.4	17.9	26.9	Tosoh Series
	mU/ml	34.5	27.6	41.4	Vitros ECi
	mU/ml	25.8	20.6	31.0	Roche Cobas E411
	mU/ml	25.9	20.7	31.1	Roche Cobas 6000/8000
	mU/ml	24.2	19.4	29.0	SNIBE Maglumi Analysers
	mU/ml	22.2	17.8	26.6	Fujirebio Lumipulse G Series
mU/ml	26.2	20.2	32.2	Siemens Centaur CP	
Oestradiol	pmol/l	746	597	895	Abbott Architect
	pg/ml	203	162	244	
	pmol/l	1130	904	1356	BioMerieux Vidas
	pg/ml	307	246	368	
	pmol/l	1013	608	1418	Siemens Centaur XP/XPT/Classic
	pg/ml	276	166	386	
	pmol/l	997	798	1196	Siemens Immulite 2000/2500
	pg/ml	271	217	325	
pmol/l	1091	873	1309	Siemens Immulite 1000	
pg/ml	297	237	357		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	1061	849	1273	Beckman Dxl800
	pg/ml	289	231	347	
	pmol/l	774	619	929	Roche Elecsys (Estradiol II)
	pg/ml	211	168	254	
	pmol/l	1124	899	1349	Beckman Access
	pg/ml	306	245	367	
	pmol/l	856	685	1027	Tosoh (E2)
	pg/ml	233	186	280	
	pmol/l	960	768	1152	Vitros ECi
	pg/ml	261	209	313	
	pmol/l	793	634	952	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	216	172	260	
	pmol/l	772	618	926	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	210	168	252	
	pmol/l	1026	616	1436	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	279	167	391	
	pmol/l	986	592	1380	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	268	161	375	
	pmol/l	1323	1058	1588	SNIBE Maglumi Analysers
	pg/ml	360	288	432	
pmol/l	789	631	947	Tosoh (iE2-hsE2)	
pg/ml	215	172	258		
pmol/l	1055	633	1477	Siemens Centaur CP	
pg/ml	287	172	402		
pmol/l	1088	653	1523	Siemens Centaur CP Enhanced (eE2)	
pg/ml	296	178	414		
pmol/l	900	720	1080	Fujirebio Lumipulse G Series	
pg/ml	245	196	294		
pmol/l	798	638	958	Roche Cobas 6000/8000 (Estradiol III)	
pg/ml	217	174	260		
pmol/l	753	602	904	Roche Elecsys (Estradiol III)	
pg/ml	205	164	246		
pmol/l	783	626	940	Roche Cobas 4000/E411 (Estradiol III)	
pg/ml	213	170	256		
pmol/l	787	630	944	Roche Modular E170 (Estradiol III)	
pg/ml	214	171	257		
Paracetamol	mmol/l	0.325	0.260	0.390	Abbott Architect
	mg/l	49.2	39.3	59.1	
	mmol/l	0.301	0.241	0.361	Roche Cobas 6000/8000
	mg/l	45.5	36.5	54.5	
mmol/l	0.348	0.280	0.420	Gravimetric	
mg/l	52.7	42.4	63.5		
Phenobarbital	µmol/l	80.7	64.6	96.8	Abbott Architect
	µg/ml	18.7	15.0	22.4	
	µmol/l	76.6	61.3	91.9	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	17.8	14.2	21.4	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Phenobarbital	µmol/l	74.2	59.4	89.0	Roche Cobas 6000/8000
	µg/ml	17.2	13.8	20.6	
	µmol/l	76.6	61.3	91.9	Siemens Immulite 2000/2500
	µg/ml	17.8	14.2	21.4	
	µmol/l	78.9	63.1	94.7	Beckman AU400/600/640/2700/5400
	µg/ml	18.3	14.6	22.0	
	µmol/l	95.9	69.0	123	Siemens Centaur XP/XPT/Classic
	µg/ml	22.2	16.0	28.4	
	µmol/l	73.2	58.6	87.8	Roche Integra
	µg/ml	17.0	13.6	20.4	
	µmol/l	78.0	62.4	93.6	Siemens Immulite 1000
	µg/ml	18.1	14.5	21.7	
	µmol/l	81.6	65.3	97.9	Beckman DxC
	µg/ml	18.9	15.1	22.7	
Phenytoin	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	
	µmol/l	65.5	52.4	78.6	Abbott Architect
	µg/ml	16.5	13.2	19.8	
	µmol/l	82.2	64.1	100	Siemens Centaur XP/XPT/Classic
	µg/ml	20.8	16.2	25.4	
	µmol/l	71.5	57.2	85.8	Siemens Dimension
	µg/ml	18.1	14.4	21.8	
	µmol/l	57.9	46.3	69.5	Siemens Immulite 2000/2500
	µg/ml	14.6	11.7	17.5	
	µmol/l	64.9	51.9	77.9	Siemens Immulite 1000
	µg/ml	16.4	13.1	19.7	
	µmol/l	64.6	51.7	77.5	Roche Integra
	µg/ml	16.3	13.1	19.5	
	µmol/l	69.5	55.6	83.4	Vitros
	µg/ml	17.5	14.0	21.0	
	µmol/l	60.9	48.7	73.1	Roche Cobas E411
	µg/ml	15.4	12.3	18.5	
Primidone	µmol/l	64.7	51.8	77.6	Roche Cobas 6000/8000
	µg/ml	16.3	13.1	19.5	
Progesterone	µmol/l	67.0	53.6	80.4	Beckman DxC
	µg/ml	16.9	13.5	20.3	
	µmol/l	71.3	57.0	85.6	Gravimetric
	µg/ml	18.0	14.4	21.6	
	nmol/l	22.5	18.0	27.0	Gravimetric
	ng/ml	4.91	3.93	5.89	
Progesterone	nmol/l	28.3	22.6	34.0	Abbott Architect
	ng/ml	8.86	7.07	10.7	
	nmol/l	42.8	34.2	51.4	BioMerieux Vidas
	ng/ml	13.4	10.7	16.1	
Progesterone	nmol/l	24.0	16.8	31.2	Siemens Centaur XP/XPT/Classic
	ng/ml	7.51	5.26	9.76	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	25.9	20.7	31.1	Siemens Immulite 2000/2500
	ng/ml	8.11	6.48	9.74	
	nmol/l	29.3	23.4	35.2	Siemens Immulite 1000
	ng/ml	9.17	7.32	11.0	
	nmol/l	33.3	26.6	40.0	Beckman Dxl Prog Cal 33555
	ng/ml	10.4	8.33	12.5	
	nmol/l	32.8	26.2	39.4	Roche Elecsys (Prog. II)
	ng/ml	10.3	8.20	12.4	
	nmol/l	34.2	27.4	41.0	Beckman Access Prog Cal 33555
	ng/ml	10.7	8.58	12.8	
	nmol/l	39.1	31.3	46.9	Tosoh Series
	ng/ml	12.2	9.80	14.6	
	nmol/l	39.7	31.8	47.6	Vitros ECI
	ng/ml	12.4	9.95	14.9	
	nmol/l	33.6	26.9	40.3	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	10.5	8.42	12.6	
	nmol/l	34.6	27.7	41.5	Roche Cobas 6000/8000 (Prog. II)
	ng/ml	10.8	8.67	12.9	
	nmol/l	27.7	22.2	33.2	Diasorin Liaison
	ng/ml	8.67	6.95	10.4	
nmol/l	35.3	28.2	42.4	SNIBE Maglumi Analysers	
ng/ml	11.0	8.83	13.2		
nmol/l	29.7	23.8	35.6	Beckman Dxl Prog DE Cal A80773	
ng/ml	9.30	7.45	11.2		
nmol/l	25.8	18.1	33.5	Siemens Centaur CP	
ng/ml	8.08	5.66	10.5		
nmol/l	34.0	27.2	40.8	Roche Cobas 6000/8000 (Prog. III)	
ng/ml	10.6	8.51	12.7		
nmol/l	33.6	26.9	40.3	Roche Elecsys (Prog. III)	
ng/ml	10.5	8.42	12.6		
nmol/l	33.8	27.0	40.6	Roche Cobas 4000/e411 (Prog. III)	
ng/ml	10.6	8.45	12.8		
nmol/l	33.6	26.9	40.3	Roche Modular E170 (Prog. III)	
ng/ml	10.5	8.42	12.6		
Prolactin	µU/ml	723	578	868	Abbott Architect
	µU/ml	828	662	994	BioMerieux Vidas
	µU/ml	643	502	784	Siemens Centaur XP/XPT/Classic
	µU/ml	647	518	776	Siemens Immulite 2000/2500
	µU/ml	681	545	817	Siemens Immulite 1000
	µU/ml	627	502	752	Beckman Dxl800
	µU/ml	809	647	971	Roche Elecsys
	µU/ml	803	642	964	Diasorin Liaison
	µU/ml	769	615	923	Roche Modular E170
	µU/ml	644	515	773	Beckman Access
	µU/ml	782	626	938	Tosoh Series
	µU/ml	656	525	787	Vitros ECI

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Prolactin	µU/ml	778	622	934	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	743	594	892	Immunotech IRMA
	µU/ml	808	646	970	Roche Cobas E411
	µU/ml	782	626	938	Roche Cobas 6000/8000
	µU/ml	762	610	914	SNIBE Maglumi Analysers
	µU/ml	872	698	1046	Fujirebio Lumipulse G Series
	µU/ml	707	566	848	Abbott Architect restandardised
	µU/ml	646	504	788	Siemens Centaur CP
PSA Free	ng/ml = µg/l	11.0	8.25	13.8	Abbott Architect
	ng/ml = µg/l	13.1	9.83	16.4	BioMerieux Vidas
	ng/ml = µg/l	12.5	9.38	15.6	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	8.46	6.35	10.6	Siemens Dimension
	ng/ml = µg/l	10.3	7.73	12.9	Siemens Immulite 2000/2500
	ng/ml = µg/l	9.46	7.10	11.8	Siemens Immulite 1000
	ng/ml = µg/l	14.2	10.7	17.8	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	11.6	8.70	14.5	Roche Elecsys
	ng/ml = µg/l	3.27	2.45	4.09	Diasorin Liaison
	ng/ml = µg/l	11.6	8.70	14.5	Roche Modular E170
	ng/ml = µg/l	14.4	10.8	18.0	Beckman Access standardised to Hybritech
	ng/ml = µg/l	10.3	7.73	12.9	Tosoh Series
	ng/ml = µg/l	11.7	8.78	14.6	Roche Cobas E411
	ng/ml = µg/l	11.2	8.40	14.0	Roche Cobas 6000/8000
	ng/ml = µg/l	11.6	8.70	14.5	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	9.79	7.34	12.2	SNIBE Maglumi Analysers
ng/ml = µg/l	10.5	7.88	13.1	Ortho Vitros 3600/5600/ECi PSA II	
ng/ml = µg/l	8.39	6.29	10.5	Fujirebio Lumipulse G Series	
PSA Total	ng/ml = µg/l	12.7	9.53	15.9	Abbott Architect
	ng/ml = µg/l	13.1	9.83	16.4	BioMerieux Vidas
	ng/ml = µg/l	13.4	10.1	16.8	bioMerieux VIDAS TPSA
	ng/ml = µg/l	12.4	9.30	15.5	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	12.5	9.38	15.6	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	11.3	8.48	14.1	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	13.1	9.83	16.4	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	11.5	8.63	14.4	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	15.0	11.3	18.8	Roche Elecsys
	ng/ml = µg/l	4.25	3.19	5.31	Diasorin Liaison
	ng/ml = µg/l	15.0	11.3	18.8	Roche Modular E170
	ng/ml = µg/l	13.4	10.1	16.8	Beckman Access standardised to Hybritech
	ng/ml = µg/l	12.9	9.68	16.1	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	8.45	6.34	10.6	Tosoh Series
	ng/ml = µg/l	14.6	11.0	18.3	Vitros ECi
	ng/ml = µg/l	12.2	9.15	15.3	CIS RIA Coated tube
	ng/ml = µg/l	15.4	11.6	19.3	Roche Cobas E411
	ng/ml = µg/l	15.2	11.4	19.0	Roche Cobas 6000/8000
ng/ml = µg/l	16.3	12.2	20.4	SNIBE Maglumi Analysers	
ng/ml = µg/l	11.1	8.33	13.9	Fujirebio Lumipulse G Series	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range						
Analyte	unit	Target	low	high	methods	
PSA Total	ng/ml = µg/l	15.2	11.4	19.0	Ortho Vitros 3600/5600/ECi PSA II	
	ng/ml = µg/l	12.3	9.23	15.4	Siemens Centaur CP	
Salicylic Acid	mmol/l	1.13	0.904	1.36	Roche Integra	
	mg/dl	15.6	12.5	18.7		
	mmol/l	1.19	0.952	1.43	Abbott Architect	
	mg/dl	16.4	13.1	19.7		
	mmol/l	1.23	0.984	1.48	Beckman DxC	
	mg/dl	17.0	13.6	20.4		
SHBG	nmol/l	20.8	16.6	25.0	Siemens Immulite 1000	
	nmol/l	24.3	19.4	29.2	Siemens Immulite 2000/2500	
	nmol/l	25.4	20.3	30.5	Roche Modular E170	
	nmol/l	23.7	19.0	28.4	Abbott Architect	
	nmol/l	26.8	21.4	32.2	Roche Cobas E411	
	nmol/l	26.1	20.9	31.3	Roche Cobas 6000/8000	
T Uptake	nmol/l	22.9	18.3	27.5	Beckman Dxl800	
	nmol/l	21.9	17.5	26.3	SNIBE Maglumi Analysers	
	%U	34.4	28.2	40.6	Siemens Immulite 2000	
	Testosterone	nmol/l	19.4	15.5	23.3	Abbott Architect
		ng/ml	5.59	4.46	6.72	
		ng/dl	559	446	672	
nmol/l		15.9	12.7	19.1	BioMerieux Vidas	
ng/ml		4.58	3.66	5.50		
ng/dl		458	366	550		
nmol/l		17.6	12.3	22.9	Siemens Centaur XP/XPT/Classic	
ng/ml		5.07	3.55	6.59		
ng/dl		507	355	659		
nmol/l		19.7	15.8	23.6	CIS RIA Coated tube	
ng/ml		5.67	4.55	6.79		
ng/dl		567	455	679		
nmol/l		23.2	18.6	27.8	Siemens Immulite 2000/2500	
ng/ml		6.68	5.36	8.00		
ng/dl		668	536	800		
nmol/l		26.7	21.4	32.0	Siemens Immulite 1000	
ng/ml		7.69	6.16	9.22		
ng/dl		769	616	922		
nmol/l	17.7	14.2	21.2	Beckman Dxl800		
ng/ml	5.10	4.09	6.11			
ng/dl	510	409	611			
nmol/l	19.0	15.2	22.8	Beckman Access		
ng/ml	5.47	4.38	6.56			
ng/dl	547	438	656			
nmol/l	27.6	22.1	33.1	Tosoh Series		
ng/ml	7.95	6.36	9.54			
ng/dl	795	636	954			

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	25.0	20.0	30.0	Vitros ECI
	ng/ml	7.20	5.76	8.64	
	ng/dl	720	576	864	
	nmol/l	20.7	16.6	24.8	Roche Cobas 6000 Test 2
	ng/ml	5.96	4.78	7.14	
	ng/dl	596	478	714	
	nmol/l	19.7	15.8	23.6	Roche Elecsys Test II
	ng/ml	5.67	4.55	6.79	
	ng/dl	567	455	679	
	nmol/l	20.7	16.6	24.8	Roche Modular E170 Test II
	ng/ml	5.96	4.78	7.14	
	ng/dl	596	478	714	
	nmol/l	20.3	16.2	24.4	Roche Cobas 4000/e411 Test II
	ng/ml	5.85	4.67	7.03	
	ng/dl	585	467	703	
	nmol/l	21.9	17.5	26.3	SNIBE Maglumi Analysers
	ng/ml	6.31	5.04	7.58	
	ng/dl	631	504	758	
	nmol/l	19.8	15.8	23.8	Abbott Architect 2nd Generation
	ng/ml	5.70	4.55	6.85	
	ng/dl	570	455	685	
nmol/l	17.3	12.1	22.5	Siemens Centaur CP	
ng/ml	4.98	3.49	6.47		
ng/dl	498	349	647		
nmol/l	15.9	12.7	19.1	BioMerieux Vidas Testosterone II	
ng/ml	4.58	3.66	5.50		
ng/dl	458	366	550		
nmol/l	19.0	13.3	24.7	Siemens Centaur TST II	
ng/ml	5.47	3.83	7.11		
ng/dl	547	383	711		
Theophylline	µmol/l	75.0	60.0	90.0	Siemens Centaur XP/XPT/Classic
	µg/ml	13.5	10.8	16.2	
	µmol/l	81.8	65.4	98.2	Siemens Dimension
	µg/ml	14.7	11.8	17.6	
	µmol/l	81.5	65.2	97.8	Roche Integra
	µg/ml	14.7	11.7	17.7	
	µmol/l	73.4	58.7	88.1	Abbott Architect
	µg/ml	13.2	10.6	15.8	
	µmol/l	77.7	62.2	93.2	Roche Cobas 6000/8000
	µg/ml	14.0	11.2	16.8	
	µmol/l	76.0	60.8	91.2	Beckman DxC
	µg/ml	13.7	11.0	16.4	
	µmol/l	72.7	58.2	87.2	Beckman AU400/600/640/2700/5400
	µg/ml	13.1	10.5	15.7	
	µmol/l	83.8	67.0	101	Gravimetric
µg/ml	15.1	12.1	18.2		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Thyroglobulin	ng/ml	20.3	15.2	25.4	Siemens Immulite 1000
	ng/ml	19.1	14.3	23.9	Siemens Immulite 2000
	ng/ml	33.4	25.1	41.8	Roche Elecsys
	ng/ml	29.9	22.4	37.4	Beckman Dxl800
	ng/ml	33.3	25.0	41.6	Roche Cobas E411
	ng/ml	11.0	8.25	13.8	Diesse Chorus
	ng/ml	32.2	24.2	40.3	Roche Cobas 6000/8000
	ng/ml	31.5	23.6	39.4	Beckman Access
	ng/ml	15.8	11.9	19.8	SNIBE Maglumi Analysers
	ng/ml	34.6	26.0	43.3	Tosoh Series
	ng/ml	32.2	24.2	40.3	Roche Cobas 6000 TGII
	ng/ml	32.7	24.5	40.9	Roche Elecsys TGII
	ng/ml	32.3	24.2	40.4	Roche Cobas 4000/E411 TGII
	ng/ml	32.3	24.2	40.4	Roche Modular E170 TGII
Thyroid Stimulating Hormone	µU/ml = mIU/l	1.99	1.59	2.39	Abbott Architect
	µU/ml = mIU/l	2.43	1.94	2.92	bioMerieux VIDAS TSH
	µU/ml = mIU/l	2.33	1.86	2.80	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.37	1.61	3.13	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	2.88	2.30	3.46	CIS IRMA
	µU/ml = mIU/l	2.62	1.78	3.46	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	2.35	1.88	2.82	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.25	1.80	2.70	Siemens Immulite 1000
	µU/ml = mIU/l	2.07	1.66	2.48	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	2.04	1.63	2.45	Beckman Dxl800
	µU/ml = mIU/l	2.51	2.01	3.01	Roche Elecsys
	µU/ml = mIU/l	2.77	2.22	3.32	Diasorin Liaison
	µU/ml = mIU/l	2.46	1.97	2.95	Roche Modular E170
	µU/ml = mIU/l	2.04	1.63	2.45	Beckman Access Fast TSH
	µU/ml = mIU/l	2.14	1.71	2.57	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.43	1.94	2.92	Tosoh Series
	µU/ml = mIU/l	2.73	2.18	3.28	Vitros ECi
	µU/ml = mIU/l	2.47	1.98	2.96	Roche Cobas E411
	µU/ml = mIU/l	2.51	2.01	3.01	Roche Cobas 6000/8000
	µU/ml = mIU/l	2.11	1.69	2.53	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.04	1.63	2.45	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	2.52	2.02	3.02	SNIBE Maglumi Analysers
µU/ml = mIU/l	2.28	1.55	3.01	Siemens Centaur XP/XPT/Classic TSH3-Ultra	
µU/ml = mIU/l	2.37	1.61	3.13	Siemens Centaur CP	
µU/ml = mIU/l	2.29	1.56	3.02	Siemens Centaur CP TSH3-Ultra	
µU/ml = mIU/l	2.08	1.66	2.50	Beckman Dxl 600/800 Access (3rd IS)	
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	11.6	9.28	13.9	Abbott Architect
	IU/ml	0.012	0.009	0.015	
	mU/ml=IU/l	27.5	22.0	33.0	BioMerieux Vidas
	IU/ml	0.028	0.022	0.034	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	14.0	8.40	19.6	Siemens Centaur XP/XPT/Classic
	IU/ml	0.014	0.008	0.020	
	mU/ml=IU/l	26.4	21.1	31.7	Siemens Dimension
	IU/ml	0.026	0.021	0.031	
	mU/ml=IU/l	34.2	27.4	41.0	Siemens Immulite 2000
	IU/ml	0.034	0.027	0.041	
	mU/ml=IU/l	32.9	26.3	39.5	Siemens Immulite 1000
	IU/ml	0.033	0.026	0.040	
	mU/ml=IU/l	12.9	10.3	15.5	Beckman Dxl800
	IU/ml	0.013	0.010	0.016	
	mU/ml=IU/l	11.6	9.28	13.9	Diasorin Liaison
	IU/ml	0.012	0.009	0.015	
	mU/ml=IU/l	14.8	11.8	17.8	Roche Cobas Core EIA
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	13.0	10.4	15.6	Beckman Access
	IU/ml	0.013	0.010	0.016	
	mU/ml=IU/l	26.7	21.4	32.0	Tosoh Series
	IU/ml	0.027	0.021	0.033	
	mU/ml=IU/l	30.4	24.3	36.5	Vitros ECi
	IU/ml	0.030	0.024	0.036	
mU/ml=IU/l	17.8	14.2	21.4	Roche STAT (Intact)	
IU/ml	0.018	0.014	0.022		
mU/ml=IU/l	15.0	12.0	18.0	Roche hCG+Beta	
IU/ml	0.015	0.012	0.018		
mU/ml=IU/l	20.5	16.4	24.6	SNIBE Maglumi Analysers	
IU/ml	0.021	0.016	0.026		
mU/ml=IU/l	9.94	7.95	11.9	Fujirebio Lumipulse G Series	
IU/ml	0.010	0.008	0.012		
mU/ml=IU/l	12.9	10.3	15.5	Beckman Access Total BhCG (5th IS)	
IU/ml	0.013	0.010	0.016		
mU/ml=IU/l	13.1	10.5	15.7	Beckman Dxl Total BhCG (5th IS)	
IU/ml	0.013	0.011	0.015		
mU/ml=IU/l	14.4	8.64	20.2	Siemens Centaur CP	
IU/ml	0.014	0.008	0.020		
Total T3	nmol/l	3.31	2.48	4.14	Abbott Architect
	ng/ml	2.15	1.61	2.69	
	ng/dl	215	161	269	
	nmol/l	4.18	3.14	5.23	BioMerieux Vidas
	ng/ml	2.72	2.04	3.40	
	ng/dl	272	204	340	
	nmol/l	4.17	3.13	5.21	Siemens Centaur XP/XPT/Classic
	ng/ml	2.71	2.03	3.39	
	ng/dl	271	203	339	
	nmol/l	3.47	2.60	4.34	Siemens Immulite 2000/2500
	ng/ml	2.26	1.69	2.83	
	ng/dl	226	169	283	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	3.67	2.75	4.59	Siemens Immulite 1000
	ng/ml	2.39	1.79	2.99	
	ng/dl	239	179	299	
	nmol/l	3.42	2.57	4.28	Beckman Dxl800
	ng/ml	2.23	1.67	2.79	
	ng/dl	223	167	279	
	nmol/l	3.82	2.87	4.78	Roche Elecsys
	ng/ml	2.49	1.87	3.11	
	ng/dl	249	187	311	
	nmol/l	3.58	2.69	4.48	Diasorin Liaison
	ng/ml	2.33	1.75	2.91	
	ng/dl	233	175	291	
	nmol/l	3.99	2.99	4.99	Roche Modular E170
	ng/ml	2.60	1.95	3.25	
	ng/dl	260	195	325	
	nmol/l	3.39	2.54	4.24	Beckman Access
	ng/ml	2.21	1.65	2.77	
	ng/dl	221	165	277	
	nmol/l	3.64	2.73	4.55	Tosoh Series
	ng/ml	2.37	1.78	2.96	
	ng/dl	237	178	296	
	nmol/l	4.23	3.17	5.29	Vitros ECI
	ng/ml	2.75	2.06	3.44	
	ng/dl	275	206	344	
nmol/l	2.89	2.17	3.61	CIS RIA Coated tube	
ng/ml	1.88	1.41	2.35		
ng/dl	188	141	235		
nmol/l	4.08	3.06	5.10	Roche Cobas E411	
ng/ml	2.66	1.99	3.33		
ng/dl	266	199	333		
nmol/l	3.98	2.99	4.98	Roche Cobas 6000/8000	
ng/ml	2.59	1.95	3.23		
ng/dl	259	195	323		
nmol/l	4.15	3.11	5.19	SNIBE Maglumi Analysers	
ng/ml	2.70	2.02	3.38		
ng/dl	270	202	338		
nmol/l	4.20	3.15	5.25	Siemens Centaur CP	
ng/ml	2.73	2.05	3.41		
ng/dl	273	205	341		
Total T4	nmol/l	134	101	168	Abbott Architect
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	154	116	193	BioMerieux Vidas
	µg/dl	12.0	9.05	15.0	
	ng/ml	120	90.5	150	
	nmol/l	140	91.0	189	Siemens Centaur XP/XPT/Classic
	µg/dl	10.9	7.09	14.7	
	ng/ml	109	70.9	147	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	138	104	173	Siemens Immulite 2000/2500
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	141	106	176	Siemens Immulite 1000
	µg/dl	11.0	8.27	13.7	
	ng/ml	110	82.7	137	
	nmol/l	142	107	178	Beckman DxI800
	µg/dl	11.1	8.35	13.9	
	ng/ml	111	83.5	139	
	nmol/l	130	97.5	163	Roche Elecsys
	µg/dl	10.1	7.61	12.6	
	ng/ml	101	76.1	126	
	nmol/l	127	95.3	159	Roche Modular E170
	µg/dl	9.91	7.43	12.4	
	ng/ml	99.1	74.3	124	
	nmol/l	147	110	184	Beckman Access
	µg/dl	11.5	8.58	14.4	
	ng/ml	115	85.8	144	
	nmol/l	126	94.5	158	Tosoh Series
	µg/dl	9.83	7.37	12.3	
	ng/ml	98.3	73.7	123	
	nmol/l	139	104	174	Vitros ECI
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
nmol/l	137	103	171	CIS RIA Coated tube	
µg/dl	10.7	8.03	13.4		
ng/ml	107	80.3	134		
nmol/l	134	101	168	Roche Cobas E411	
µg/dl	10.5	7.88	13.1		
ng/ml	105	78.8	131		
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	109	81.8	136	Immunotech IRMA	
µg/dl	8.50	6.38	10.6		
ng/ml	85.0	63.8	106		
nmol/l	141	106	176	SNIBE Maglumi Analysers	
µg/dl	11.0	8.27	13.7		
ng/ml	110	82.7	137		
nmol/l	151	98.2	204	Siemens Centaur CP	
µg/dl	11.8	7.67	15.9		
ng/ml	118	76.7	159		
Valproic Acid	µmol/l	495	396	594	Abbott Architect
	µg/ml	71.4	57.1	85.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	µmol/l	545	436	654	Siemens Centaur XP/XPT/Classic
	µg/ml	78.6	62.9	94.3	
	µmol/l	523	418	628	Siemens Dimension
	µg/ml	75.5	60.3	90.7	
	µmol/l	523	418	628	Siemens Immulite 2000/2500
	µg/ml	75.5	60.3	90.7	
	µmol/l	534	427	641	Siemens Immulite 1000
	µg/ml	77.1	61.6	92.6	
	µmol/l	514	411	617	Roche Integra
	µg/ml	74.2	59.3	89.1	
	µmol/l	539	431	647	Vitros
	µg/ml	77.8	62.2	93.4	
	µmol/l	531	425	637	Roche Cobas 6000/8000
	µg/ml	76.6	61.3	91.9	
	µmol/l	514	411	617	Beckman DxC
	µg/ml	74.2	59.3	89.1	
	µmol/l	572	458	686	Beckman AU400/600/640/2700/5400
	µg/ml	82.5	66.1	98.9	
µmol/l	553	442	664	Siemens ADVIA 1200/1650/1800/2400	
µg/ml	79.8	63.8	95.8		
µmol/l	638	510	766	Gravimetric	
µg/ml	92.1	73.6	111		
Vancomycin	µmol/l	7.77	6.22	9.32	Roche Integra
	µg/ml	11.5	9.24	13.8	
	µmol/l	7.10	5.68	8.52	Abbott Architect
	µg/ml	10.5	8.44	12.6	
	µmol/l	5.57	4.34	6.80	Siemens Centaur XP/XPT/Classic
	µg/ml	8.28	6.46	10.1	
	µmol/l	6.62	5.30	7.94	Siemens Dimension
	µg/ml	9.84	7.87	11.8	
	µmol/l	6.74	5.39	8.09	Roche Cobas 6000/8000
	µg/ml	10.0	8.01	12.0	
µmol/l	7.16	5.73	8.59	Beckman DxC	
µg/ml	10.6	8.51	12.7		
µmol/l	7.10	5.68	8.52	Gravimetric	
µg/ml	10.5	8.44	12.7		
Vitamin B12	pmol/l	465	372	558	Abbott Architect
	pg/ml	630	504	756	
	pmol/l	519	389	649	Siemens Centaur XP/XPT/Classic
	pg/ml	703	527	879	
	pmol/l	463	370	556	Siemens Immulite 2000
	pg/ml	627	501	753	
	pmol/l	426	341	511	Beckman Dxl800
	pg/ml	577	462	692	
pmol/l	516	413	619	Roche Elecsys	
pg/ml	699	560	838		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	509	407	611	Roche Modular E170
	pg/ml	690	551	829	
	pmol/l	437	350	524	Beckman Access
	pg/ml	592	474	710	
	pmol/l	618	494	742	Tosoh Series
	pg/ml	837	669	1005	
	pmol/l	504	403	605	Vitros ECi
	pg/ml	683	546	820	
	pmol/l	501	401	601	MP Biomedicals RIA
	pg/ml	679	543	815	
	pmol/l	495	396	594	Roche Cobas E411
	pg/ml	671	537	805	
	pmol/l	513	410	616	Roche Cobas 6000/8000
	pg/ml	695	556	834	
	pmol/l	443	354	532	Siemens Dimension
	pg/ml	600	480	720	
	pmol/l	425	340	510	SNIBE Maglumi Analysers
	pg/ml	576	461	691	
pmol/l	521	391	651	Siemens Centaur CP	
pg/ml	706	530	882		