

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. 1754EC	EXPIRY: 2020-10-28	

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. Free PSA and Total PSA are stable for 2 days at +2°C to +8°C. 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. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
17-OH-Progesterone	nmol/l	8.32	6.24	10.4	CIS RIA Coated tube
	ng/ml	2.75	2.07	3.43	
	nmol/l	9.25	6.94	11.6	Immunotech RIA
	ng/ml	3.06	2.30	3.82	
	nmol/l	14.7	11.0	18.4	DRG ELISA
	ng/ml	4.87	3.64	6.10	
	nmol/l	12.0	9.00	15.0	DIAsource RIA
	ng/ml	3.97	2.98	4.96	
	nmol/l	14.9	11.2	18.6	DiaMetra ELISA
	ng/ml	4.93	3.71	6.15	
	nmol/l	14.3	10.7	17.9	IBL ELISA
	ng/ml	4.73	3.54	5.92	
25-OH Vitamin D	nmol/l	58.2	43.7	72.8	Diasorin Liaison
	nmol/l	76.5	57.4	95.6	Siemens Centaur XP/XPT/Classic
	nmol/l	39.2	29.4	49.0	Roche Vitamin D Total
	nmol/l	45.7	34.3	57.1	Abbott Architect
	nmol/l	53.9	37.7	70.1	IDS iSYS
	nmol/l	73.1	53.9	92.3	Vitros ECi
	nmol/l	59.3	44.5	74.1	Tosoh Series
	nmol/l	52.5	39.4	65.6	BioMerieux Vidas
	nmol/l	41.8	31.3	52.3	Beckman Dxl 600/800
	nmol/l	48.2	36.2	60.3	Fujirebio Lumipulse G Series
ACTH	pmol/l	9.46	6.78	12.1	Siemens Immulite 2000/2500
	pg/ml	43.0	30.8	55.2	
	pmol/l	11.0	8.25	13.8	Roche Cobas E411
	pg/ml	50.0	37.5	62.5	
	pmol/l	11.5	8.25	14.8	Roche Cobas 6000/8000
	pg/ml	52.3	37.5	67.1	
	pmol/l	9.86	7.40	12.3	Siemens Immulite 1000
	pg/ml	44.8	33.6	56.0	
Aldosterone	pmol/l	419	314	524	DRG ELISA
	pg/ml	151	113	189	
	pmol/l	39.9	29.9	49.9	CIS RIA
	pg/ml	14.4	10.8	18.0	
	pmol/l	325	244	406	Immunotech RIA
	pg/ml	117	88.0	146	
	pmol/l	483	362	604	ELISA
	pg/ml	174	131	217	
	pmol/l	327	245	409	Diasorin Liaison
	pg/ml	118	88.4	148	
Alphafoetoprotein	KIU/l = IU/ml	57.5	46.0	69.0	Abbott Architect
	ng/ml	69.6	55.7	83.5	

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Analyte	unit	Target	Range		methods
			low	high	
Alphafoetoprotein	KIU/l = IU/ml	60.1	48.1	72.1	BioMerieux Vidas
	ng/ml	72.7	58.2	87.2	
	KIU/l = IU/ml	67.3	53.2	81.4	Siemens Centaur XP/XPT/Classic
	ng/ml	81.4	64.3	98.5	
	KIU/l = IU/ml	56.5	45.2	67.8	Siemens Immulite 2000/2500
	ng/ml	68.4	54.7	82.1	
	KIU/l = IU/ml	54.2	38.3	70.1	Siemens Immulite 1000
	ng/ml	65.6	46.3	84.9	
	KIU/l = IU/ml	55.1	44.1	66.1	Beckman Dxl800
	ng/ml	66.7	53.4	80.0	
	KIU/l = IU/ml	58.8	47.0	70.6	Roche Elecsys
	ng/ml	71.1	56.9	85.3	
	KIU/l = IU/ml	60.7	48.6	72.8	Diasorin Liaison
	ng/ml	73.4	58.8	88.0	
	KIU/l = IU/ml	63.3	50.6	76.0	Roche Modular E170
	ng/ml	76.6	61.2	92.0	
	KIU/l = IU/ml	57.6	46.1	69.1	Beckman Access
	ng/ml	69.7	55.8	83.6	
	KIU/l = IU/ml	55.4	44.3	66.5	Tosoh Series
	ng/ml	67.0	53.6	80.4	
KIU/l = IU/ml	59.2	47.4	71.0	Vitros ECI	
ng/ml	61.6	49.3	73.9		
KIU/l = IU/ml	63.3	50.6	76.0	Roche Cobas 6000/8000	
ng/ml	76.6	61.2	92.0		
KIU/l = IU/ml	86.1	68.9	103	CIS IRMA	
ng/ml	104	83.4	125		
KIU/l = IU/ml	62.9	50.3	75.5	Roche Cobas E411	
ng/ml	76.1	60.9	91.3		
KIU/l = IU/ml	60.8	48.6	73.0	Fujirebio Lumipulse G Series	
ng/ml	73.6	58.8	88.4		
KIU/l = IU/ml	62.7	50.2	75.2	Siemens Dimension	
ng/ml	75.9	60.7	91.1		
KIU/l = IU/ml	67.6	53.4	81.8	Siemens Centaur CP	
ng/ml	81.8	64.6	99.0		
Amikacin	µmol/l	14.9	11.9	17.9	Roche Integra
	µg/ml	8.73	6.97	10.5	
	µmol/l	13.9	11.1	16.7	Roche Cobas 6000/8000
	µg/ml	8.14	6.50	9.78	
Androstenedione	µmol/l	15.2	12.2	18.2	Gravimetric
	µg/ml	8.90	7.14	10.7	
Androstenedione	nmol/l	17.2	12.9	21.5	Siemens Immulite 2000
	ng/ml	4.94	3.70	6.18	
Beta-2-microglobulin	µg/ml = mg/l	3.40	2.72	4.08	Abbott Architect
	µg/ml = mg/l	3.46	2.77	4.15	BioMerieux Vidas
	µg/ml = mg/l	3.33	2.66	4.00	Behring Nephelometer
	µg/ml = mg/l	3.04	2.43	3.65	Siemens Immulite 2000/2500

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Analyte	unit	Target	Range		methods
			low	high	
Beta-2-microglobulin	µg/ml = mg/l	3.53	2.77	4.29	Siemens Immulite 1000
	µg/ml = mg/l	3.02	2.42	3.62	Diasorin Liaison
	µg/ml = mg/l	3.33	2.66	4.00	Tosoh Series
	µg/ml = mg/l	3.44	2.75	4.13	Roche Cobas 6000/8000
	µg/ml = mg/l	3.46	2.77	4.15	Siemens Dimension
	µg/ml = mg/l	2.91	2.33	3.49	Fujirebio Lumipulse G Series
	µg/ml = mg/l	3.28	2.62	3.94	Siemens ADVIA 1200/1650/1800/2400
C-Peptide	nmol/l	1.760	1.320	2.200	Siemens Immulite 2000/2500
	ng/ml	5.31	3.99	6.63	
	nmol/l	1.890	1.420	2.360	Roche Elecsys
	ng/ml	5.71	4.29	7.13	
	nmol/l	1.890	1.420	2.360	Roche Cobas 6000/8000
	ng/ml	5.71	4.29	7.13	
	nmol/l	1.660	1.250	2.080	Siemens Immulite 1000
	ng/ml	5.01	3.77	6.25	
	nmol/l	1.910	1.430	2.390	Diasorin Liaison
	ng/ml	5.77	4.32	7.22	
	nmol/l	1.940	1.460	2.430	Roche Cobas E411
	ng/ml	5.86	4.41	7.31	
	nmol/l	1.900	1.430	2.380	Roche Modular E170
	ng/ml	5.74	4.32	7.16	
	nmol/l	1.720	1.290	2.150	Abbott Architect
	ng/ml	5.19	3.89	6.49	
	nmol/l	1.460	1.100	1.820	Siemens Centaur XP/XPT/Classic
	ng/ml	4.41	3.31	5.51	
	nmol/l	1.670	1.250	2.090	Tosoh Series
	ng/ml	5.04	3.77	6.31	
nmol/l	1.530	1.150	1.910	ELISA	
ng/ml	4.62	3.47	5.77		
nmol/l	1.770	1.294	2.240	Ortho Vitros ECi	
ng/ml	5.34	3.91	6.77		
CA 15-3	U/ml	42.0	33.6	50.4	Abbott Architect
	U/ml	36.7	29.4	44.0	BioMerieux Vidas
	U/ml	40.1	27.3	52.9	Siemens Centaur XP/XPT/Classic
	U/ml	42.9	34.3	51.5	Siemens Immulite 2000/2500
	U/ml	47.6	35.7	59.5	Siemens Immulite 1000
	U/ml	19.5	15.6	23.4	Beckman DxI800
	U/ml	39.8	31.4	48.2	Roche Elecsys
	U/ml	43.4	31.8	55.0	Diasorin Liaison
	U/ml	41.3	33.0	49.6	Roche Modular E170
	U/ml	19.1	15.3	22.9	Beckman Access
	U/ml	40.7	30.5	50.9	Tosoh Series
	U/ml	34.9	27.9	41.9	Vitros ECi
	U/ml	41.5	33.2	49.8	Roche Cobas 6000/8000
	U/ml	40.5	32.4	48.6	Roche Cobas E411
	U/ml	44.3	35.4	53.2	Fujirebio Lumipulse G Series

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods	
			low	high		
CA 15-3	U/ml	40.2	27.3	53.1	Siemens Centaur CP	
CA 19-9	U/ml	822	658	986	Abbott Architect	
	U/ml	170	136	204	BioMerieux Vidas	
	U/ml	283	192	374	Siemens Centaur XP/XPT/Classic	
	U/ml	108	83.4	133	Siemens Immulite 2000/2500	
	U/ml	131	98.3	164	Siemens Immulite 1000	
	U/ml	105	84.0	126	Beckman Dxl800	
	U/ml	68.7	55.0	82.4	Roche Elecsys	
	U/ml	177	125	229	Diasorin Liaison	
	U/ml	68.5	54.8	82.2	Roche Modular E170	
	U/ml	115	92.0	138	Beckman Access	
	U/ml	52.2	41.8	62.6	Tosoh Series	
	U/ml	184	147	221	Vitros ECi	
	U/ml	839	671	1007	Abbott Architect XR/XR2 kit	
	U/ml	69.4	55.5	83.3	Roche Cobas 6000/8000	
	U/ml	71.3	57.0	85.6	Roche Cobas E411	
	CA125	U/ml	156	125	187	Fujirebio Lumipulse G Series
		U/ml	277	188	366	Siemens Centaur CP
U/ml		146	117	175	Abbott Architect	
U/ml		110	88.0	132	BioMerieux Vidas	
U/ml		121	82.0	160	Siemens Centaur XP/XPT/Classic OV Kit	
U/ml		122	83.0	161	Siemens Centaur XP/XPT/Classic CA125 II kit	
U/ml		114	91.2	137	Siemens Immulite 2000/2500	
U/ml		126	101	151	Siemens Immulite 1000	
U/ml		94.1	75.3	113	Beckman Dxl800	
U/ml		111	88.8	133	Roche Elecsys	
U/ml		148	118	178	Diasorin Liaison	
U/ml		113	90.4	136	Roche Modular E170	
U/ml		95.2	76.2	114	Beckman Access	
U/ml		181	145	217	Tosoh Series	
U/ml		109	87.2	131	Vitros ECi	
Carbamazepine		U/ml	112	89.6	134	Roche Cobas E411
		U/ml	113	90.4	136	Roche Cobas 6000/8000
	U/ml	102	81.6	122	Fujirebio Lumipulse G Series	
	U/ml	124	84.0	164	Siemens Centaur CP CA125 II kit	
	µmol/l	38.4	30.7	46.1	Abbott Architect	
	µg/ml	9.08	7.26	10.9		
	µmol/l	42.6	29.8	55.4	Siemens Centaur XP/XPT/Classic	
	µg/ml	10.1	7.10	13.1		
	µmol/l	36.6	29.3	43.9	Siemens Dimension	
	µg/ml	8.65	6.93	10.4		
µmol/l	33.9	27.1	40.7	Siemens Immulite 2000/2500		
µg/ml	8.01	6.41	9.61			
µmol/l	35.4	25.7	45.1	Siemens Immulite 1000		
µg/ml	8.37	6.08	10.7			
µmol/l	39.0	31.2	46.8	HPLC		
µg/ml	9.22	7.38	11.1			

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Carbamazepine	µmol/l	38.2	30.6	45.8	Roche Integra
	µg/ml	9.03	7.23	10.8	
	µmol/l	36.9	29.5	44.3	Vitros
	µg/ml	8.72	6.97	10.5	
	µmol/l	36.4	29.1	43.7	Roche Cobas E411
	µg/ml	8.60	6.88	10.3	
	µmol/l	37.5	30.0	45.0	Roche Cobas 6000/8000
	µg/ml	8.87	7.09	10.7	
	µmol/l	34.6	27.7	41.5	Beckman DxC
	µg/ml	8.18	6.55	9.81	
	µmol/l	42.9	34.3	51.5	Beckman AU400/600/640/2700/5400
	µg/ml	10.1	8.11	12.1	
	µmol/l	44.9	35.9	53.9	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	10.6	8.49	12.7	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	26.7	21.4	32.0	Abbott Architect
	ng/ml = µg/l	21.3	17.0	25.6	BioMerieux Vidas
	ng/ml = µg/l	25.0	17.0	33.0	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	15.6	12.5	18.7	CIS RIA Coated tube
	ng/ml = µg/l	30.7	24.6	36.8	Siemens Immulite 2000/2500
	ng/ml = µg/l	32.3	25.8	38.8	Siemens Immulite 1000
	ng/ml = µg/l	20.4	16.3	24.5	Beckman Dxl800
	ng/ml = µg/l	20.6	16.5	24.7	Roche Elecsys
	ng/ml = µg/l	19.5	15.6	23.4	Diasorin Liaison
	ng/ml = µg/l	20.5	16.4	24.6	Roche Modular E170
	ng/ml = µg/l	21.6	17.3	25.9	Beckman Access
	ng/ml = µg/l	37.4	29.9	44.9	Tosoh Series
	ng/ml = µg/l	25.1	20.1	30.1	Vitros ECi
	ng/ml = µg/l	20.8	16.6	25.0	Roche Cobas 6000/8000
	ng/ml = µg/l	20.9	16.7	25.1	Roche Cobas E411
	ng/ml = µg/l	32.1	25.7	38.5	Fujirebio Lumipulse G Series
	ng/ml = µg/l	24.9	16.9	32.9	Siemens Centaur CP
	Cortisol	nmol/l	517	388	646
µg/dl		18.6	14.0	23.2	
nmol/l		541	406	676	BioMerieux Vidas
µg/dl		19.5	14.6	24.4	
nmol/l		690	476	904	Siemens Centaur XP/XPT/Classic
µg/dl		24.8	17.1	32.5	
nmol/l		472	354	590	CIS RIA
µg/dl		17.0	12.7	21.3	
nmol/l		585	439	731	Siemens Immulite 2000/2500
µg/dl		21.1	15.8	26.4	
nmol/l	614	461	768	Siemens Immulite 1000	
µg/dl	22.1	16.6	27.6		

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Analyte	unit	Target	Range		methods
			low	high	
Cortisol	nmol/l	560	420	700	Beckman Dxl800
	µg/dl	20.2	15.1	25.3	
	nmol/l	599	449	749	Roche Elecsys
	µg/dl	21.6	16.2	27.0	
	nmol/l	577	433	721	Diasorin Liaison
	µg/dl	20.8	15.6	26.0	
	nmol/l	550	413	688	Roche Modular E170
	µg/dl	19.8	14.9	24.7	
	nmol/l	610	458	763	Beckman Access
	µg/dl	22.0	16.5	27.5	
	nmol/l	631	473	789	Tosoh Series
	µg/dl	22.7	17.0	28.4	
	nmol/l	553	415	691	Vitros ECI
	µg/dl	19.9	14.9	24.9	
	nmol/l	580	435	725	Roche Cobas 6000/8000
	µg/dl	20.9	15.7	26.1	
nmol/l	608	456	760	Roche Cobas E411	
µg/dl	21.9	16.4	27.4		
nmol/l	727	502	952	Siemens Centaur CP	
µg/dl	26.2	18.1	34.3		
nmol/l	571	428	714	Roche Modular E170 Gen II	
µg/dl	20.6	15.4	25.8		
nmol/l	619	464	774	Roche Cobas 4000/e411 Gen II	
µg/dl	22.3	16.7	27.9		
nmol/l	564	423	705	Roche Cobas 6000/8000 Gen II	
µg/dl	20.3	15.2	25.4		
DHEA-S	µmol/l	13.8	11.0	16.6	Abbott Architect
	µmol/l	11.1	8.88	13.3	Siemens Immulite 2000/2500
	µmol/l	11.1	8.33	13.9	Siemens Immulite 1000
	µmol/l	11.1	8.88	13.3	Beckman Dxl800
	µmol/l	14.8	11.3	18.3	Roche Elecsys
	µmol/l	16.4	13.1	19.7	Roche Modular E170
	µmol/l	11.7	9.36	14.0	Beckman Access
	µmol/l	9.94	7.91	12.0	Diasorin Liaison
	µmol/l	11.4	7.40	15.4	Siemens Centaur XP/XPT/Classic
	µmol/l	15.9	12.7	19.1	Roche Cobas E411
	µmol/l	15.6	12.5	18.7	Roche Cobas 6000/8000
µmol/l	13.0	10.4	15.6	Immunotech RIA	
Digoxin	nmol/l	2.48	1.98	2.98	Abbott Architect
	ng/ml	1.94	1.55	2.33	
	nmol/l	2.74	2.19	3.29	BioMerieux Vidas
	ng/ml	2.14	1.71	2.57	
	nmol/l	3.37	2.59	4.15	Siemens Centaur XP/XPT/Classic
	ng/ml	2.63	2.03	3.23	
nmol/l	2.91	2.33	3.49	Siemens Dimension	
ng/ml	2.27	1.82	2.72		

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Analyte	unit	Target	Range		methods
			low	high	
Digoxin	nmol/l	3.15	2.52	3.78	Siemens Immulite 2000/2500
	ng/ml	2.46	1.97	2.95	
	nmol/l	3.12	2.30	3.94	Siemens Immulite 1000
	ng/ml	2.44	1.80	3.08	
	nmol/l	2.95	2.36	3.54	Beckman Dxl800
	ng/ml	2.30	1.84	2.76	
	nmol/l	2.88	2.30	3.46	Roche Elecsys
	ng/ml	2.25	1.80	2.70	
	nmol/l	2.99	2.38	3.60	Roche Integra
	ng/ml	2.34	1.86	2.82	
	nmol/l	3.02	2.42	3.62	Beckman Access
	ng/ml	2.36	1.89	2.83	
	nmol/l	2.83	2.26	3.40	Vitros
	ng/ml	2.21	1.77	2.65	
	nmol/l	3.01	2.41	3.61	Roche Cobas E411
	ng/ml	2.35	1.88	2.82	
	nmol/l	2.86	2.29	3.43	Roche Cobas 6000/8000
	ng/ml	2.23	1.79	2.67	
	nmol/l	2.53	2.02	3.04	Beckman DxC
	ng/ml	1.98	1.58	2.38	
nmol/l	3.06	2.45	3.67	Beckman AU400/600/640/2700/5400	
ng/ml	2.39	1.91	2.87		
nmol/l	2.79	2.23	3.35	Siemens ADVIA 1200/1650/1800/2400	
ng/ml	2.18	1.74	2.62		
nmol/l	2.84	2.27	3.41	Roche Cobas 4000/E411	
ng/ml	2.22	1.77	2.67		
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	110	88.0	132	Abbott Architect
	ng/ml = µg/l	80.7	64.6	96.8	BioMerieux Vidas
	ng/ml = µg/l	86.6	65.0	108	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	89.3	71.4	107	Siemens Dimension
	ng/ml = µg/l	91.6	73.3	110	Siemens Immulite 2000/2500
	ng/ml = µg/l	85.0	63.8	106	Siemens Immulite 1000
	ng/ml = µg/l	69.5	55.6	83.4	Beckman Dxl800
	ng/ml = µg/l	106	84.8	127	Roche Elecsys
	ng/ml = µg/l	90.4	72.3	108	Diasorin Liaison
	ng/ml = µg/l	104	83.2	125	Roche Modular E170
	ng/ml = µg/l	69.1	55.3	82.9	Beckman Access
	ng/ml = µg/l	67.2	53.3	81.1	Tosoh Series
	ng/ml = µg/l	64.0	51.2	76.8	Vitros ECI
	ng/ml = µg/l	89.0	71.2	107	Immunotech IRMA
	ng/ml = µg/l	102	81.6	122	Roche Cobas E411
ng/ml = µg/l	86.7	69.4	104	Beckman AU400/600/640/2700/5400	

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Ferritin	ng/ml = µg/l	56.7	45.4	68.0	Fujirebio Lumipulse G Series
	ng/ml = µg/l	83.9	62.9	105	Siemens Centaur CP
Folate	nmol/l	15.1	11.5	18.7	Abbott Architect
	ng/ml	6.66	5.07	8.25	
	nmol/l	34.1	22.2	46.0	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	15.0	9.80	20.2	
	nmol/l	12.9	9.80	16.0	Siemens Immulite 2000
	ng/ml	5.69	4.32	7.06	
	nmol/l	17.9	13.6	22.2	Beckman Dxl800
	ng/ml	7.89	6.00	9.78	
	nmol/l	17.3	13.1	21.5	Roche Modular E170
	ng/ml	7.63	5.78	9.48	
	nmol/l	18.1	13.8	22.4	Beckman Access
	ng/ml	7.98	6.09	9.87	
	nmol/l	29.2	21.9	36.5	Tosoh Series
	ng/ml	12.9	9.66	16.1	
	nmol/l	10.9	8.28	13.5	Vitros ECI
	ng/ml	4.81	3.65	5.97	
	nmol/l	16.4	11.8	21.0	Roche Cobas E411
	ng/ml	7.23	5.20	9.26	
	nmol/l	16.7	12.7	20.7	Roche Cobas 6000/8000
	ng/ml	7.36	5.60	9.12	
nmol/l	10.4	7.90	12.9	Siemens Dimension	
ng/ml	4.59	3.48	5.70		
nmol/l	16.8	12.8	20.8	Roche Cobas 6000/8000 Folate III	
ng/ml	7.41	5.64	9.18		
nmol/l	15.6	12.6	18.6	Roche Cobas 4000/e411 Folate III	
ng/ml	6.88	5.56	8.20		
nmol/l	17.1	13.0	21.2	Roche Modular E170 Folate III	
ng/ml	7.54	5.73	9.35		
Free T3	pmol/l	13.2	9.90	16.5	Abbott Architect
	ng/dl	0.858	0.644	1.07	
	pg/ml	8.59	6.44	10.7	
	pmol/l	14.7	11.0	18.4	BioMerieux Vidas
	ng/dl	0.956	0.715	1.20	
	pg/ml	9.57	7.16	12.0	
	pmol/l	14.8	8.90	20.7	Siemens Centaur XP/XPT/Classic
	ng/dl	0.960	0.577	1.35	
	pg/ml	9.63	5.78	13.5	
	pmol/l	10.8	8.10	13.5	Siemens Immulite 2000/2500
	ng/dl	0.702	0.527	0.877	
	pg/ml	7.03	5.27	8.79	
	pmol/l	10.4	7.66	13.1	Siemens Immulite 1000
	ng/dl	0.676	0.498	0.850	
pg/ml	6.77	4.99	8.55		
pmol/l	10.7	8.03	13.4	Beckman Dxl800	
ng/dl	0.696	0.522	0.870		
pg/ml	6.97	5.23	8.71		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Free T3	pmol/l	17.0	12.8	21.3	Roche Elecsys
	ng/dl	1.11	0.832	1.39	
	pg/ml	11.1	8.33	13.9	
	pmol/l	19.9	14.9	24.9	Diasorin Liaison
	ng/dl	1.29	0.969	1.61	
	pg/ml	13.0	9.70	16.3	
	pmol/l	17.2	12.9	21.5	Roche Modular E170
	ng/dl	1.12	0.839	1.40	
	pg/ml	11.2	8.40	14.0	
	pmol/l	11.8	8.85	14.8	Beckman Access
	ng/dl	0.767	0.575	0.959	
	pg/ml	7.68	5.76	9.60	
	pmol/l	19.3	14.5	24.1	Tosoh Series
	ng/dl	1.25	0.943	1.56	
	pg/ml	12.6	9.44	15.8	
	pmol/l	34.3	25.7	42.9	Vitros ECi
	ng/dl	2.23	1.67	2.79	
	pg/ml	22.3	16.7	27.9	
	pmol/l	16.8	12.6	21.0	Roche Cobas E411
	ng/dl	1.09	0.819	1.36	
	pg/ml	10.9	8.20	13.6	
pmol/l	17.4	13.1	21.8	Roche Cobas 6000/8000	
ng/dl	1.13	0.852	1.41		
pg/ml	11.3	8.53	14.1		
pmol/l	18.3	13.7	22.9	Siemens Dimension Vista LOCI	
ng/dl	1.19	0.891	1.49		
pg/ml	11.9	8.92	14.9		
pmol/l	14.1	8.50	19.7	Siemens Centaur CP	
ng/dl	0.920	0.550	1.28		
pg/ml	9.18	5.51	12.9		
Free T4	pmol/l	31.3	23.5	39.1	Abbott Architect
	ng/dl	2.44	1.83	3.05	
	pg/ml	24.4	18.3	30.5	
	pmol/l	32.0	24.0	40.0	Siemens Centaur XP/XPT/Classic
	ng/dl	2.50	1.88	3.12	
	pg/ml	25.0	18.8	31.2	
	pmol/l	45.4	34.1	56.8	CIS RIA Coated tube
	ng/dl	3.54	2.66	4.42	
	pg/ml	35.4	26.6	44.2	
	pmol/l	46.6	35.0	58.3	Siemens Immulite 2000/2500
	ng/dl	3.63	2.73	4.53	
	pg/ml	36.3	27.3	45.3	
	pmol/l	47.6	35.7	59.5	Siemens Immulite 1000
	ng/dl	3.71	2.78	4.64	
	pg/ml	37.1	27.8	46.4	

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Free T4	pmol/l	37.6	28.2	47.0	Beckman DxI800
	ng/dl	2.93	2.20	3.66	
	pg/ml	29.3	22.0	36.6	
	pmol/l	44.0	33.0	55.0	Roche Elecsys
	ng/dl	3.43	2.57	4.29	
	pg/ml	34.3	25.7	42.9	
	pmol/l	54.5	40.9	68.1	Diasorin Liaison
	ng/dl	4.25	3.19	5.31	
	pg/ml	42.5	31.9	53.1	
	pmol/l	43.9	32.9	54.9	Roche Modular E170
	ng/dl	3.42	2.57	4.27	
	pg/ml	34.2	25.7	42.7	
	pmol/l	37.4	28.1	46.8	Beckman Access
	ng/dl	2.92	2.19	3.65	
	pg/ml	29.2	21.9	36.5	
	pmol/l	44.8	33.6	56.0	Tosoh Series
	ng/dl	3.49	2.62	4.36	
	pg/ml	34.9	26.2	43.6	
	pmol/l	82.8	62.1	104	Vitros ECi
	ng/dl	6.46	4.84	8.08	
	pg/ml	64.6	48.4	80.8	
	pmol/l	43.5	32.6	54.4	Roche Cobas 6000/8000
	ng/dl	3.39	2.54	4.24	
	pg/ml	33.9	25.4	42.4	
pmol/l	37.5	28.1	46.9	Immunotech IRMA	
ng/dl	2.93	2.19	3.67		
pg/ml	29.3	21.9	36.7		
pmol/l	44.2	33.2	55.3	Roche Cobas E411	
ng/dl	3.45	2.59	4.31		
pg/ml	34.5	25.9	43.1		
pmol/l	38.9	29.2	48.6	Siemens Dimension Vista LOCI	
ng/dl	3.03	2.28	3.78		
pg/ml	30.3	22.8	37.8		
pmol/l	50.1	37.6	62.6	Biomerieux Vidas FT4N Kit	
ng/dl	3.91	2.93	4.89		
pg/ml	39.1	29.3	48.9		
pmol/l	35.2	26.4	44.0	Siemens Centaur CP	
ng/dl	2.75	2.06	3.44		
pg/ml	27.5	20.6	34.4		
FSH	mU/ml	21.8	17.4	26.2	Abbott Architect
	mU/ml	27.5	22.0	33.0	BioMerieux Vidas
	mU/ml	29.0	21.8	36.2	Siemens Centaur XP/XPT/Classic
	mU/ml	24.7	19.8	29.6	Siemens Immulite 2000/2500
	mU/ml	25.1	20.1	30.1	Siemens Immulite 1000
	mU/ml	26.5	21.2	31.8	Beckman DxI800

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
FSH	mU/ml	24.6	19.7	29.5	Roche/BM Elecsys
	mU/ml	32.7	26.2	39.2	Diasorin Liaison
	mU/ml	24.1	19.3	28.9	Roche Modular E170
	mU/ml	26.1	20.9	31.3	Beckman Access
	mU/ml	26.7	21.4	32.0	Tosoh Series
	mU/ml	20.3	16.2	24.4	Vitros ECi
	mU/ml	25.6	20.5	30.7	Roche Cobas E411
	mU/ml	24.6	19.7	29.5	Roche Cobas 6000/8000
	mU/ml	20.0	16.0	24.0	Fujirebio Lumipulse G Series
	mU/ml	25.1	18.8	31.4	Siemens Centaur CP
Gentamicin	µmol/l	7.37	5.90	8.84	Roche Integra
	µg/ml	3.52	2.82	4.22	
	µmol/l	7.55	5.36	9.74	Siemens Centaur XP/XPT/Classic
	µg/ml	3.61	2.56	4.66	
	µmol/l	7.44	5.54	9.34	Siemens Dimension Vista
	µg/ml	3.56	2.65	4.47	
	µmol/l	5.80	4.64	6.96	Roche Cobas 6000/8000
	µg/ml	2.77	2.22	3.32	
	µmol/l	8.76	6.95	10.6	Beckman DxC
	µg/ml	4.19	3.32	5.06	
Growth Hormone (GH)	µU/ml	22.0	17.6	26.4	Siemens Immulite 2000/2500
	ng/ml	7.33	5.86	8.80	
	µU/ml	19.8	15.8	23.8	Siemens Immulite 1000
	ng/ml	6.59	5.26	7.92	
	µU/ml	16.9	13.5	20.3	Beckman Dxl800
	ng/ml	5.63	4.50	6.76	
	µU/ml	20.3	16.2	24.4	Roche Elecsys
	ng/ml	6.76	5.39	8.13	
	µU/ml	17.3	13.8	20.8	Beckman Access
	ng/ml	5.76	4.60	6.92	
	µU/ml	20.4	15.4	25.4	Tosoh Series
	ng/ml	6.79	5.13	8.45	
	µU/ml	18.6	14.9	22.3	Diasorin Liaison
	ng/ml	6.19	4.96	7.42	
	µU/ml	19.7	15.8	23.6	Roche Cobas E411
	ng/ml	6.56	5.26	7.86	
	µU/ml	20.3	16.2	24.4	Roche Cobas 6000/8000
	ng/ml	6.76	5.39	8.13	
Immunoglobulin E	µU/ml	19.3	15.4	23.2	IDS iSYS
	ng/ml	6.43	5.13	7.73	
	KIU/l = IU/ml	96.1	76.9	115	Abbott Architect
	KIU/l = IU/ml	91.5	73.2	110	Beckman Immage
	KIU/l = IU/ml	91.5	72.0	111	BioMerieux Vidas
	KIU/l = IU/ml	103	61.8	144	Siemens Centaur XP/XPT/Classic

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Immunoglobulin E	KIU/l = IU/ml	110	88.0	132	Siemens Immulite 2000/2500
	KIU/l = IU/ml	113	90.4	136	Siemens Immulite 1000
	KIU/l = IU/ml	99.0	79.2	119	Beckman Dxl800
	KIU/l = IU/ml	114	91.2	137	Roche Elecsys
	KIU/l = IU/ml	106	84.8	127	Pharmacia Unicap
	KIU/l = IU/ml	117	93.6	140	Roche Modular E170
	KIU/l = IU/ml	105	84.0	126	Tosoh Series
	KIU/l = IU/ml	117	93.6	140	Roche Cobas E411
	KIU/l = IU/ml	116	92.8	139	Roche Cobas 6000/8000
	KIU/l = IU/ml	92.4	73.9	111	Fujirebio Lumipulse G Series
KIU/l = IU/ml	110	66.0	154	Siemens Centaur CP	
Insulin	mU/l	15.9	11.9	19.9	Siemens Centaur XP/XPT/Classic
	µU/ml	15.9	11.9	19.9	
	mU/l	5.87	4.40	7.34	Siemens Immulite 1000
	µU/ml	5.87	4.40	7.34	
	mU/l	15.4	11.6	19.3	Roche Modular E170
	µU/ml	15.4	11.6	19.2	
	mU/l	5.25	3.94	6.56	Siemens Immulite 2000
	µU/ml	5.25	3.94	6.56	
	mU/l	15.8	11.9	19.8	Roche Elecsys
	µU/ml	15.8	11.9	19.7	
	mU/l	12.4	9.30	15.5	Beckman Access
	µU/ml	12.4	9.30	15.5	
	mU/l	14.0	10.5	17.5	Abbott Architect
	µU/ml	14.0	10.5	17.5	
	mU/l	15.7	11.8	19.6	Tosoh Series
	µU/ml	15.7	11.8	19.6	
	mU/l	15.5	11.6	19.4	Roche Cobas E411
	µU/ml	15.5	11.6	19.4	
	mU/l	12.6	9.45	15.8	Beckman Dxl 600/800
	µU/ml	12.6	9.45	15.8	
mU/l	19.3	14.5	24.1	Diasorin Liaison	
µU/ml	19.3	14.5	24.1		
mU/l	15.8	11.9	19.8	Roche Cobas 6000/8000	
µU/ml	15.8	11.9	19.7		
mU/l	15.5	11.6	19.4	Fujirebio Lumipulse G Series	
µU/ml	15.5	11.6	19.4		
mU/l	13.9	8.80	19.0	Ortho Vitros ECi	
µU/ml	13.9	8.80	19.0		
Luteinising Hormone (LH)	mU/ml	22.2	17.8	26.6	Abbott Architect
	mU/ml	24.6	19.7	29.5	BioMerieux Vidas
	mU/ml	28.3	21.8	34.8	Siemens Centaur XP/XPT/Classic
	mU/ml	38.3	30.6	46.0	Siemens Immulite 2000
	mU/ml	38.7	31.0	46.4	Siemens Immulite 1000
	mU/ml	21.7	17.4	26.0	Beckman Dxl800
	mU/ml	28.7	23.0	34.4	Roche Elecsys

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Luteinising Hormone (LH)	mU/ml	33.8	27.0	40.6	Diasorin Liaison
	mU/ml	29.0	23.2	34.8	Roche Modular E170
	mU/ml	22.2	17.8	26.6	Beckman Access
	mU/ml	25.3	20.2	30.4	Tosoh Series
	mU/ml	35.6	28.5	42.7	Vitros ECI
	mU/ml	28.9	23.1	34.7	Roche Cobas E411
	mU/ml	29.1	23.3	34.9	Roche Cobas 6000/8000
	mU/ml	24.4	19.5	29.3	Fujirebio Lumipulse G Series
	mU/ml	29.1	22.4	35.8	Siemens Centaur CP
Oestradiol	pmol/l	710	568	852	Abbott Architect
	pg/ml	193	154	232	
	pmol/l	1211	969	1453	BioMerieux Vidas
	pg/ml	329	264	394	
	pmol/l	1000	600	1400	Siemens Centaur XP/XPT/Classic
	pg/ml	272	163	381	
	pmol/l	1048	838	1258	Siemens Immulite 2000/2500
	pg/ml	285	228	342	
	pmol/l	1047	838	1256	Siemens Immulite 1000
	pg/ml	285	228	342	
	pmol/l	1072	834	1310	Beckman Dxl800
	pg/ml	292	227	357	
	pmol/l	735	588	882	Roche Elecsys (Estradiol II)
	pg/ml	200	160	240	
	pmol/l	728	582	874	Roche Modular E170 (Estradiol II)
	pg/ml	198	158	238	
	pmol/l	1109	887	1331	Beckman Access
	pg/ml	302	241	363	
	pmol/l	844	675	1013	Tosoh (E2)
	pg/ml	230	184	276	
	pmol/l	988	790	1186	Vitros ECI
	pg/ml	269	215	323	
	pmol/l	751	601	901	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	204	163	245	
	pmol/l	745	596	894	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	203	162	244	
	pmol/l	989	771	1207	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	269	210	328	
	pmol/l	984	590	1378	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	268	161	375	
pmol/l	808	646	970	Tosoh (iE2-hsE2)	
pg/ml	220	176	264		
pmol/l	979	587	1371	Siemens Centaur CP	
pg/ml	266	160	372		
pmol/l	1060	763	1356	Siemens Centaur CP Enhanced (eE2)	
pg/ml	288	207	369		
pmol/l	912	730	1094	Fujirebio Lumipulse G Series	
pg/ml	248	199	297		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Oestradiol	pmol/l	755	604	906	Roche Cobas 6000/8000 (Estradiol III)
	pg/ml	205	164	246	
	pmol/l	747	598	896	Roche Elecsys (Estradiol III)
	pg/ml	203	163	243	
	pmol/l	763	610	916	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	208	166	250	
Paracetamol	pmol/l	752	602	902	Roche Modular E170 (Estradiol III)
	pg/ml	205	164	246	
	mmol/l	0.330	0.264	0.396	Abbott Architect
	mg/l	49.9	39.9	59.9	
	mmol/l	0.310	0.248	0.372	Roche Cobas 6000/8000
	mg/l	46.9	37.5	56.3	
Phenobarbital	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.7	42.4	63.5	
	µmol/l	80.8	64.6	97.0	Abbott Architect
	µg/ml	18.7	15.0	22.4	
	µmol/l	73.3	58.4	88.2	Roche Cobas 6000/8000
	µg/ml	17.0	13.5	20.5	
	µmol/l	78.0	62.4	93.6	Siemens Immulite 2000/2500
	µg/ml	18.1	14.5	21.7	
	µmol/l	81.0	64.8	97.2	Beckman AU400/600/640/2700/5400
	µg/ml	18.8	15.0	22.6	
	µmol/l	96.9	69.8	124	Siemens Centaur XP/XPT/Classic
	µg/ml	22.5	16.2	28.8	
Phenytoin	µmol/l	76.9	61.5	92.3	Roche Integra
	µg/ml	17.8	14.3	21.3	
	µmol/l	74.2	59.4	89.0	Siemens Immulite 1000
	µg/ml	17.2	13.8	20.6	
	µmol/l	89.4	67.1	112	HPLC
	µg/ml	20.7	15.6	25.8	
	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	
	µmol/l	67.3	53.8	80.8	Abbott Architect
	µg/ml	17.0	13.6	20.4	
	µmol/l	80.8	63.0	98.6	Siemens Centaur XP/XPT/Classic
	µg/ml	20.4	15.9	24.9	
µmol/l	70.9	56.7	85.1	Siemens Dimension	
µg/ml	17.9	14.3	21.5		
µmol/l	63.2	50.6	75.8	Siemens Immulite 2000/2500	
µg/ml	16.0	12.8	19.2		
µmol/l	64.9	51.9	77.9	Siemens Immulite 1000	
µg/ml	16.4	13.1	19.7		
µmol/l	65.2	52.2	78.2	Roche Integra	
µg/ml	16.5	13.2	19.8		
µmol/l	74.1	59.3	88.9	Vitros	
µg/ml	18.7	15.0	22.4		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Phenytoin	µmol/l	65.6	52.5	78.7	Roche Cobas E411
	µg/ml	16.6	13.3	19.9	
	µmol/l	67.0	53.6	80.4	Roche Cobas 6000/8000
	µg/ml	16.9	13.5	20.3	
	µmol/l	65.0	52.0	78.0	Beckman DxC
	µg/ml	16.4	13.1	19.7	
Primidone	µmol/l	71.3	57.0	85.6	Gravimetric
	µg/ml	18.0	14.4	21.6	
Primidone	µmol/l	22.5	18.0	27.0	Gravimetric
	µg/ml	4.91	3.93	5.89	
Progesterone	nmol/l	27.1	21.7	32.5	Abbott Architect
	ng/ml	8.48	6.79	10.2	
	nmol/l	40.0	32.0	48.0	BioMerieux Vidas
	ng/ml	12.5	10.0	15.0	
	nmol/l	23.8	16.7	30.9	Siemens Centaur XP/XPT/Classic
	ng/ml	7.45	5.22	9.68	
	nmol/l	25.4	20.3	30.5	Siemens Immulite 2000/2500
	ng/ml	7.95	6.35	9.55	
	nmol/l	27.9	22.3	33.5	Siemens Immulite 1000
	ng/ml	8.73	6.98	10.5	
	nmol/l	34.1	27.3	40.9	Beckman Dxl Prog Cal 33555
	ng/ml	10.7	8.54	12.9	
	nmol/l	29.8	23.8	35.8	Roche Elecsys (Prog. II)
	ng/ml	9.33	7.45	11.2	
	nmol/l	30.6	24.5	36.7	Roche Modular E170 (Prog. II)
	ng/ml	9.58	7.67	11.5	
	nmol/l	33.5	26.5	40.5	Beckman Access Prog Cal 33555
	ng/ml	10.5	8.29	12.7	
	nmol/l	38.1	30.5	45.7	Tosoh Series
	ng/ml	11.9	9.55	14.3	
	nmol/l	37.3	29.8	44.8	Vitros Eci
	ng/ml	11.7	9.33	14.1	
	nmol/l	30.6	24.5	36.7	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	9.58	7.67	11.5	
nmol/l	31.3	25.0	37.6	Roche Cobas 6000/8000 (Prog. II)	
ng/ml	9.80	7.83	11.8		
nmol/l	26.4	21.1	31.7	Diasorin Liaison	
ng/ml	8.26	6.60	9.92		
nmol/l	28.6	20.9	36.3	Beckman Dxl Prog DE Cal A80773	
ng/ml	8.95	6.54	11.4		
nmol/l	27.6	22.1	33.1	Beckman Access Prog DE Cal A80773	
ng/ml	8.64	6.92	10.4		
nmol/l	25.5	17.9	33.1	Siemens Centaur CP	
ng/ml	7.98	5.59	10.4		
nmol/l	31.3	25.0	37.6	Roche Cobas 6000/8000 (Prog. III)	
ng/ml	9.80	7.83	11.8		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods	
			low	high		
Progesterone	nmol/l	30.5	24.4	36.6	Roche Elecsys (Prog. III)	
	ng/ml	9.55	7.64	11.5		
	nmol/l	31.3	25.0	37.6	Roche Cobas 4000/e411 (Prog. III)	
	ng/ml	9.80	7.83	11.8		
	nmol/l	30.9	24.7	37.1	Roche Modular E170 (Prog. III)	
	ng/ml	9.67	7.73	11.6		
	Prolactin	µU/ml	899	719	1079	Abbott Architect
		µU/ml	1019	815	1223	BioMerieux Vidas
µU/ml		767	598	936	Siemens Centaur XP/XPT/Classic	
µU/ml		826	661	991	Siemens Immulite 2000/2500	
µU/ml		876	701	1051	Siemens Immulite 1000	
µU/ml		780	624	936	Beckman Dxl800	
µU/ml		1042	834	1250	Roche Elecsys	
µU/ml		979	783	1175	Diasorin Liaison	
µU/ml		1025	820	1230	Roche Modular E170	
µU/ml		790	632	948	Beckman Access	
µU/ml		923	694	1152	Tosoh Series	
µU/ml		777	622	932	Vitros ECi	
µU/ml		1025	820	1230	Roche Elecsys/E170/Cobas 6000/8000 PRLII	
µU/ml		1007	806	1208	Immunotech IRMA	
µU/ml		1066	853	1279	Roche Cobas E411	
µU/ml		1023	818	1228	Roche Cobas 6000/8000	
µU/ml		1020	816	1224	Fujirebio Lumipulse G Series	
µU/ml	893	714	1072	Abbott Architect restandardised		
µU/ml	785	612	958	Siemens Centaur CP		
PSA Free	ng/ml = µg/l	9.34	7.01	11.7	Abbott Architect	
	ng/ml = µg/l	11.2	8.40	14.0	BioMerieux Vidas	
	ng/ml = µg/l	10.1	7.58	12.6	Siemens Centaur XP/XPT/Classic	
	ng/ml = µg/l	9.14	6.86	11.4	Siemens Dimension	
	ng/ml = µg/l	7.99	5.99	9.99	Siemens Immulite 2000/2500	
	ng/ml = µg/l	8.30	6.23	10.4	Siemens Immulite 1000	
	ng/ml = µg/l	12.1	9.08	15.1	Beckman DXI standardised to Hybritech	
	ng/ml = µg/l	9.79	7.34	12.2	Roche Elecsys	
	ng/ml = µg/l	4.41	3.31	5.51	Diasorin Liaison	
	ng/ml = µg/l	9.84	7.38	12.3	Roche Modular E170	
	ng/ml = µg/l	12.2	9.15	15.3	Beckman Access standardised to Hybritech	
	ng/ml = µg/l	9.05	6.79	11.3	Tosoh Series	
	ng/ml = µg/l	9.81	7.36	12.3	Roche Cobas E411	
	ng/ml = µg/l	9.72	7.29	12.2	Roche Cobas 6000/8000	
	ng/ml = µg/l	10.0	7.50	12.5	Beckman Dxl800 standardised to WHO IRP96/670	
	ng/ml = µg/l	12.3	9.23	15.4	Beckman Access standardised to WHO IRP96/670	
ng/ml = µg/l	9.06	6.80	11.3	Ortho Vitros 3600/5600/ECi PSA II		
ng/ml = µg/l	8.47	6.35	10.6	Fujirebio Lumipulse G Series		
PSA Total	ng/ml = µg/l	10.2	7.65	12.8	Abbott Architect	
	ng/ml = µg/l	11.5	8.63	14.4	BioMerieux Vidas	

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC

Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
PSA Total	ng/ml = µg/l	11.3	8.48	14.1	bioMerieux VIDAS TPSA
	ng/ml = µg/l	10.2	7.65	12.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	11.1	8.33	13.9	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	9.81	7.36	12.3	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	11.2	8.40	14.0	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	10.4	7.80	13.0	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	11.0	8.25	13.8	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	8.93	6.70	11.2	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	12.4	9.30	15.5	Roche Elecsys
	ng/ml = µg/l	5.47	4.10	6.84	Diasorin Liaison
	ng/ml = µg/l	12.2	9.15	15.3	Roche Modular E170
	ng/ml = µg/l	11.0	8.25	13.8	Beckman Access standardised to Hybritech
	ng/ml = µg/l	10.9	8.18	13.6	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	8.46	6.35	10.6	Tosoh Series
	ng/ml = µg/l	11.8	8.85	14.8	Vitros ECi
	ng/ml = µg/l	10.8	8.10	13.5	CIS RIA Coated tube
	ng/ml = µg/l	12.7	9.53	15.9	Roche Cobas E411
	ng/ml = µg/l	12.3	9.23	15.4	Roche Cobas 6000/8000
	ng/ml = µg/l	19.5	14.6	24.4	Monobind Inc. ELISA / CLIA
	ng/ml = µg/l	9.67	7.25	12.1	Fujirebio Lumipulse G Series
ng/ml = µg/l	12.1	9.08	15.1	Ortho Vitros 3600/5600/ECi PSA II	
ng/ml = µg/l	9.87	7.40	12.3	Siemens Centaur CP	
Salicylic Acid	mmol/l	1.20	0.960	1.44	Roche Integra
	mg/dl	16.6	13.3	19.9	
	mmol/l	1.22	0.980	1.46	Gravimetric
	mg/dl	16.9	13.5	20.2	
SHBG	nmol/l	36.3	29.0	43.6	Siemens Centaur XP/XPT/Classic
	nmol/l	33.3	25.0	41.6	Siemens Immulite 1000
	nmol/l	37.4	29.9	44.9	Siemens Immulite 2000/2500
	nmol/l	39.8	31.8	47.8	Roche Elecsys
	nmol/l	40.3	32.2	48.4	Roche Modular E170
	nmol/l	36.7	29.4	44.0	Abbott Architect
	nmol/l	41.0	32.8	49.2	Roche Cobas E411
	nmol/l	40.2	32.2	48.2	Roche Cobas 6000/8000
	nmol/l	37.7	30.2	45.2	Beckman Dxl800
T Uptake	%U	39.0	32.0	46.0	Siemens Immulite 2000
Testosterone	nmol/l	16.0	12.8	19.2	Abbott Architect
	ng/ml	4.61	3.69	5.53	
	ng/dl	461	369	553	
	nmol/l	12.6	10.1	15.1	BioMerieux Vidas
	ng/ml	3.63	2.91	4.35	
	ng/dl	363	291	435	
	nmol/l	13.2	9.24	17.2	Siemens Centaur XP/XPT/Classic
	ng/ml	3.80	2.66	4.94	
	ng/dl	380	266	494	
	nmol/l	17.3	13.0	21.6	CIS RIA Coated tube
ng/ml	4.98	3.74	6.22		
ng/dl	498	374	622		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Testosterone	nmol/l	19.9	15.9	23.9	Siemens Immulite 2000/2500
	ng/ml	5.73	4.58	6.88	
	ng/dl	573	458	688	
	nmol/l	22.7	16.5	28.9	Siemens Immulite 1000
	ng/ml	6.54	4.75	8.33	
	ng/dl	654	475	833	
	nmol/l	14.1	11.3	16.9	Beckman Dxl800
	ng/ml	4.06	3.25	4.87	
	ng/dl	406	325	487	
	nmol/l	15.4	12.3	18.5	Beckman Access
	ng/ml	4.44	3.54	5.34	
	ng/dl	444	354	534	
	nmol/l	22.4	17.7	27.1	Tosoh Series
	ng/ml	6.45	5.10	7.80	
	ng/dl	645	510	780	
	nmol/l	20.7	16.6	24.8	Vitros ECi
	ng/ml	5.96	4.78	7.14	
	ng/dl	596	478	714	
	nmol/l	17.1	13.7	20.5	Roche Cobas 6000 Test 2
	ng/ml	4.92	3.95	5.89	
	ng/dl	492	395	589	
	nmol/l	16.7	13.4	20.0	Roche Elecsys Test II
	ng/ml	4.81	3.86	5.76	
	ng/dl	481	386	576	
nmol/l	17.2	13.8	20.6	Roche Modular E170 Test II	
ng/ml	4.95	3.97	5.93		
ng/dl	495	397	593		
nmol/l	16.7	13.4	20.0	Roche Cobas 4000/e411 Test II	
ng/ml	4.81	3.86	5.76		
ng/dl	481	386	576		
nmol/l	15.9	12.7	19.1	Abbott Architect 2nd Generation	
ng/ml	4.58	3.66	5.50		
ng/dl	458	366	550		
nmol/l	13.0	9.10	16.9	Siemens Centaur CP	
ng/ml	3.74	2.62	4.86		
ng/dl	374	262	486		
nmol/l	12.7	10.2	15.2	BioMerieux Vidas Testosterone II	
ng/ml	3.66	2.94	4.38		
ng/dl	366	294	438		
Theophylline	µmol/l	86.1	68.9	103	Siemens Centaur XP/XPT/Classic
	µg/ml	15.5	12.4	18.6	
	µmol/l	82.9	66.3	99.0	Siemens Dimension
	µg/ml	14.9	11.9	17.9	
	µmol/l	81.5	65.2	97.8	Roche Integra
µg/ml	14.7	11.7	17.7		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Theophylline	µmol/l	109	81.8	136	Vitros
	µg/ml	19.6	14.7	24.5	
	µmol/l	77.2	61.8	92.6	Abbott Architect
	µg/ml	13.9	11.1	16.7	
	µmol/l	78.0	62.4	93.6	Roche Cobas 6000/8000
	µg/ml	14.1	11.2	17.0	
	µmol/l	78.3	62.6	94.0	Beckman DxC
	µg/ml	14.1	11.3	16.9	
Thyroglobulin	µmol/l	73.7	59.0	88.4	Beckman AU400/600/640/2700/5400
	µg/ml	13.3	10.6	16.0	
	µmol/l	83.8	67.0	101	Gravimetric
	µg/ml	15.1	12.1	18.2	
	ng/ml	14.8	11.1	18.5	Siemens Immulite 1000
	ng/ml	15.0	11.3	18.8	Siemens Immulite 2000
	ng/ml	34.1	25.6	42.6	Roche Elecsys
	ng/ml	27.8	20.9	34.8	Beckman DxI800
	ng/ml	34.1	25.6	42.6	Roche Cobas E411
	ng/ml	33.2	24.9	41.5	Roche Cobas 6000/8000
	ng/ml	28.6	21.5	35.8	Beckman Access
	ng/ml	34.0	25.5	42.5	Tosoh Series
Thyroid Stimulating Hormone	ng/ml	33.5	25.1	41.9	Roche Cobas 6000 TGII
	ng/ml	33.4	25.1	41.8	Roche Elecsys TGII
	ng/ml	33.8	25.4	42.3	Roche Cobas 4000/E411 TGII
	ng/ml	31.6	23.7	39.5	Roche Modular E170 TGII
	µU/ml = mIU/l	1.92	1.54	2.30	Abbott Architect
	µU/ml = mIU/l	2.38	1.90	2.86	bioMerieux VIDAS TSH
	µU/ml = mIU/l	2.08	1.62	2.54	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.29	1.56	3.02	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	2.60	2.08	3.12	CIS IRMA
	µU/ml = mIU/l	2.29	1.56	3.02	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	2.31	1.85	2.77	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.23	1.78	2.68	Siemens Immulite 1000
	µU/ml = mIU/l	2.03	1.62	2.44	Beckman DxI800 Fast TSH
	µU/ml = mIU/l	1.99	1.59	2.39	Beckman DxI800
	µU/ml = mIU/l	2.36	1.89	2.83	Roche Elecsys
	µU/ml = mIU/l	2.75	2.20	3.30	Diasorin Liaison
	µU/ml = mIU/l	2.38	1.90	2.86	Roche Modular E170
	µU/ml = mIU/l	1.96	1.57	2.35	Beckman Access Fast TSH
	µU/ml = mIU/l	2.05	1.64	2.46	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.28	1.76	2.80	Tosoh Series
µU/ml = mIU/l	2.57	2.06	3.08	Vitros ECi	
µU/ml = mIU/l	2.38	1.90	2.86	Roche Cobas E411	
µU/ml = mIU/l	2.37	1.90	2.84	Roche Cobas 6000/8000	
µU/ml = mIU/l	2.12	1.59	2.65	ELISA	
µU/ml = mIU/l	1.99	1.59	2.39	Beckman DxI800 Hyper TSH	

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.00	1.60	2.40	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	2.19	1.49	2.89	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	2.19	1.49	2.89	Siemens Centaur CP
	µU/ml = mIU/l	2.13	1.45	2.81	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	2.00	1.60	2.40	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	19.7	15.8	23.6	Abbott Architect
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	26.6	21.3	31.9	BioMerieux Vidas
	IU/ml	0.027	0.021	0.033	
	mU/ml=IU/l	22.4	17.9	26.9	Siemens Centaur XP/XPT/Classic
	IU/ml	0.022	0.018	0.026	
	mU/ml=IU/l	27.3	21.8	32.8	Siemens Dimension
	IU/ml	0.027	0.022	0.032	
	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	34.1	27.3	40.9	Siemens Immulite 1000
	IU/ml	0.034	0.027	0.041	
	mU/ml=IU/l	22.4	17.9	26.9	Beckman Dxl800
	IU/ml	0.022	0.018	0.026	
	mU/ml=IU/l	22.0	16.5	27.5	Diasorin Liaison
	IU/ml	0.022	0.017	0.030	
	mU/ml=IU/l	20.4	16.3	24.5	Roche Cobas Core EIA
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	21.9	17.5	26.3	Beckman Access
	IU/ml	0.022	0.018	0.026	
	mU/ml=IU/l	28.0	22.4	33.6	Tosoh Series
	IU/ml	0.028	0.022	0.034	
	mU/ml=IU/l	29.6	23.7	35.5	Vitros ECi
	IU/ml	0.030	0.024	0.036	
	mU/ml=IU/l	21.5	17.2	25.8	Roche STAT (Intact)
	IU/ml	0.022	0.017	0.027	
	mU/ml=IU/l	21.4	17.1	25.7	Roche hCG+Beta
	IU/ml	0.021	0.017	0.025	
mU/ml=IU/l	17.1	13.7	20.5	Fujirebio Lumipulse G Series	
IU/ml	0.017	0.014	0.020		
mU/ml=IU/l	21.2	17.0	25.4	Radiometer AQT90 Flex	
IU/ml	0.021	0.017	0.025		
mU/ml=IU/l	21.9	17.5	26.3	Beckman Access Total BhCG (5th IS)	
IU/ml	0.022	0.018	0.026		
mU/ml=IU/l	22.8	18.2	27.4	Beckman Dxl Total BhCG (5th IS)	
IU/ml	0.023	0.018	0.028		
mU/ml=IU/l	22.9	18.3	27.5	Siemens Centaur CP	
IU/ml	0.023	0.018	0.028		
Total T3	nmol/l	3.66	2.75	4.58	Abbott Architect
	ng/ml	2.38	1.79	2.97	
	ng/dl	238	179	297	

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Total T3	nmol/l	4.22	3.17	5.28	BioMerieux Vidas
	ng/ml	2.75	2.06	3.44	
	ng/dl	275	206	344	
	nmol/l	4.65	3.49	5.81	Siemens Centaur XP/XPT/Classic
	ng/ml	3.03	2.27	3.79	
	ng/dl	303	227	379	
	nmol/l	3.93	2.95	4.91	Siemens Immulite 2000/2500
	ng/ml	2.56	1.92	3.20	
	ng/dl	256	192	320	
	nmol/l	4.08	3.06	5.10	Siemens Immulite 1000
	ng/ml	2.66	1.99	3.33	
	ng/dl	266	199	333	
	nmol/l	3.53	2.65	4.41	Beckman DxI800
	ng/ml	2.30	1.73	2.87	
	ng/dl	230	173	287	
	nmol/l	4.31	3.23	5.39	Roche Elecsys
	ng/ml	2.81	2.10	3.52	
	ng/dl	281	210	352	
	nmol/l	3.40	2.55	4.25	Diasorin Liaison
	ng/ml	2.21	1.66	2.76	
	ng/dl	221	166	276	
	nmol/l	4.27	3.20	5.34	Roche Modular E170
	ng/ml	2.78	2.08	3.48	
	ng/dl	278	208	348	
	nmol/l	3.65	2.74	4.56	Beckman Access
	ng/ml	2.38	1.78	2.98	
	ng/dl	238	178	298	
nmol/l	4.13	3.10	5.16	Tosoh Series	
ng/ml	2.69	2.02	3.36		
ng/dl	269	202	336		
nmol/l	4.70	3.53	5.88	Vitros ECi	
ng/ml	3.06	2.30	3.82		
ng/dl	306	230	382		
nmol/l	2.95	2.21	3.69	CIS RIA Coated tube	
ng/ml	1.92	1.44	2.40		
ng/dl	192	144	240		
nmol/l	4.42	3.32	5.53	Roche Cobas E411	
ng/ml	2.88	2.16	3.60		
ng/dl	288	216	360		
nmol/l	4.35	3.26	5.44	Roche Cobas 6000/8000	
ng/ml	2.83	2.12	3.54		
ng/dl	283	212	354		
nmol/l	4.90	3.68	6.12	Siemens Centaur CP	
ng/ml	3.19	2.39	3.99		
ng/dl	319	239	399		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Total T4	nmol/l	137	103	171	Abbott Architect
	µg/dl	10.7	8.03	13.4	
	ng/ml	107	80.3	134	
	nmol/l	166	125	208	BioMerieux Vidas
	µg/dl	12.9	9.75	16.1	
	ng/ml	129	97.5	161	
	nmol/l	156	101	211	Siemens Centaur XP/XPT/Classic
	µg/dl	12.2	7.90	16.5	
	ng/ml	122	79.0	165	
	nmol/l	150	113	188	Siemens Immulite 2000/2500
	µg/dl	11.7	8.81	14.6	
	ng/ml	117	88.1	146	
	nmol/l	156	117	195	Siemens Immulite 1000
	µg/dl	12.2	9.13	15.3	
	ng/ml	122	91.3	153	
	nmol/l	148	111	185	Beckman Dxl800
	µg/dl	11.5	8.66	14.3	
	ng/ml	115	86.6	143	
	nmol/l	141	106	176	Roche Elecsys
	µg/dl	11.0	8.27	13.7	
	ng/ml	110	82.7	137	
	nmol/l	110	82.5	138	Diasorin Liaison
	µg/dl	8.58	6.44	10.7	
	ng/ml	85.8	64.4	107	
	nmol/l	137	103	171	Roche Modular E170
	µg/dl	10.7	8.03	13.4	
	ng/ml	107	80.3	134	
	nmol/l	146	110	183	Beckman Access
µg/dl	11.4	8.58	14.2		
ng/ml	114	85.8	142		
nmol/l	128	96.0	160	Tosoh Series	
µg/dl	9.98	7.49	12.5		
ng/ml	100	74.9	125		
nmol/l	159	119	199	Vitros ECi	
µg/dl	12.4	9.28	15.5		
ng/ml	124	92.8	155		
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	144	108	180	Roche Cobas E411	
µg/dl	11.2	8.42	14.0		
ng/ml	112	84.2	140		
nmol/l	136	102	170	Roche Cobas 6000/8000	
µg/dl	10.6	7.96	13.2		
ng/ml	106	79.6	132		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Total T4	nmol/l	117	87.8	146	Immunotech IRMA
	µg/dl	9.13	6.85	11.4	
	ng/ml	91.3	68.5	114	
	nmol/l	162	105	219	Siemens Centaur CP
	µg/dl	12.6	8.20	17.0	
Valproic Acid	ng/ml	126	82.0	170	
	µmol/l	514	411	617	Abbott Architect
	µg/ml	74.2	59.3	89.1	
	µmol/l	555	444	666	Siemens Centaur XP/XPT/Classic
	µg/ml	80.1	64.1	96.1	
	µmol/l	542	434	650	Siemens Dimension
	µg/ml	78.2	62.6	93.8	
	µmol/l	542	434	650	Siemens Immulite 2000/2500
	µg/ml	78.2	62.6	93.8	
	µmol/l	542	434	650	Siemens Immulite 1000
	µg/ml	78.2	62.6	93.8	
	µmol/l	526	421	631	Roche Integra
	µg/ml	75.9	60.8	91.0	
	µmol/l	548	438	658	Vitros
	µg/ml	79.1	63.2	95.0	
	µmol/l	545	436	654	Roche Cobas 6000/8000
	µg/ml	78.6	62.9	94.3	
	µmol/l	502	402	602	Beckman DxC
	µg/ml	72.4	58.0	86.8	
	µmol/l	587	470	704	Beckman AU400/600/640/2700/5400
	µg/ml	84.7	67.8	102	
µmol/l	564	451	677	Siemens ADVIA 1200/1650/1800/2400	
µg/ml	81.4	65.1	97.7		
µmol/l	512	410	614	Siemens Centaur CP	
µg/ml	73.9	59.2	88.6		
µmol/l	638	510	766	Gravimetric	
µg/ml	92.1	73.6	111		
Vancomycin	µmol/l	8.09	6.47	9.71	Roche Integra
	µg/ml	12.0	9.61	14.4	
	µmol/l	7.03	5.26	8.80	Ortho Vitros Microslide Systems
	µg/ml	10.4	7.81	13.0	
	µmol/l	7.94	6.35	9.53	Abbott Architect
	µg/ml	11.8	9.43	14.2	
	µmol/l	6.07	4.73	7.41	Siemens Centaur XP/XPT/Classic
	µg/ml	9.02	7.04	11.0	
	µmol/l	7.01	5.61	8.41	Siemens Dimension
	µg/ml	10.4	8.33	12.5	
	µmol/l	6.98	5.58	8.38	Roche Cobas 6000/8000
	µg/ml	10.4	8.29	12.5	
	µmol/l	7.04	5.63	8.45	Beckman DxC
µg/ml	10.5	8.36	12.6		

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

Cat. No. IA3110 / IA3112 Lot No. 1754EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-10-28

Analyte	unit	Target	Range		methods
			low	high	
Vancomycin	µmol/l	7.10	5.68	8.52	Gravimetric
	µg/ml	10.5	8.44	12.7	
Vitamin B12	pmol/l	404	323	485	Abbott Architect
	pg/ml	547	438	656	
	pmol/l	427	320	534	Siemens Centaur XP/XPT/Classic
	pg/ml	579	434	724	
	pmol/l	380	287	473	Siemens Immulite 2000
	pg/ml	515	389	641	
	pmol/l	356	285	427	Beckman Dxl800
	pg/ml	482	386	578	
	pmol/l	415	311	519	Roche Elecsys
	pg/ml	562	421	703	
	pmol/l	434	347	521	Roche Modular E170
	pg/ml	588	470	706	
	pmol/l	371	297	445	Beckman Access
	pg/ml	503	402	604	
	pmol/l	515	412	618	Tosoh Series
	pg/ml	698	558	838	
	pmol/l	444	355	533	Vitros ECi
	pg/ml	602	481	723	
	pmol/l	408	326	490	Roche Cobas E411
	pg/ml	553	442	664	
pmol/l	425	340	510	Roche Cobas 6000/8000	
pg/ml	576	461	691		
pmol/l	401	321	481	Siemens Dimension	
pg/ml	543	435	651		
pmol/l	426	320	532	Siemens Centaur CP	
pg/ml	577	433	721		