

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

CAT. NO. IA3110
CAT. NO. IA3112
LOT NO. 1727EC

GTIN: 05055273207262
GTIN: 05055273207286
EXPIRY: 2020-04-28

SIZE: 12 x 5 ml
SIZE: 4 x 5 ml

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.

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

MATERIALS PROVIDED

Immunoassay Premium Plus - Level 2: 12 x 5 ml Tri-Level: 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. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	10.6	7.95	13.3	Immunotech RIA
	ng/ml	3.51	2.63	4.39	
	nmol/l	13.9	10.4	17.4	DRG ELISA
	ng/ml	4.60	3.44	5.76	
	nmol/l	12.5	9.38	15.6	DIAsource RIA
	ng/ml	4.14	3.10	5.18	
	nmol/l	13.0	9.75	16.3	DiaMetra ELISA
	ng/ml	4.30	3.23	5.37	
	nmol/l	17.9	13.4	22.4	IBL ELISA
	ng/ml	5.92	4.44	7.40	
25-OH Vitamin D	nmol/l	69.3	52.0	86.6	Diasorin Liaison
	nmol/l	90.4	67.8	113	Siemens Centaur XP/XPT/Classic
	nmol/l	50.4	37.8	63.0	Roche Vitamin D Total
	nmol/l	72.6	54.5	90.8	HPLC
	nmol/l	58.3	43.7	72.9	Abbott Architect
	nmol/l	61.3	46.0	76.6	IDS iSYS
	nmol/l	83.7	62.8	105	Vitros ECI
	nmol/l	59.0	44.3	73.8	Tosoh AIA360
	nmol/l	69.6	52.2	87.0	BioMerieux Vidas
	nmol/l	55.8	41.9	69.8	Beckman Dxl 600/800
	nmol/l	58.9	44.2	73.6	Fujirebio Lumipulse G Series
	nmol/l	60.4	45.3	75.5	Beckman Access 25 OH Vitamin D Total
ACTH	pmol/l	10.1	7.58	12.6	Siemens Immulite 2000/2500
	pg/ml	45.9	34.5	57.3	
	pmol/l	11.6	8.70	14.5	Roche Cobas E411
	pg/ml	52.7	39.5	65.9	
	pmol/l	12.8	9.60	16.0	Roche Cobas 6000/8000
	pg/ml	58.2	43.6	72.8	
Aldosterone	pmol/l	11.4	8.55	14.3	Siemens Immulite 1000
	pg/ml	51.8	38.9	64.7	
	pmol/l	376	282	470	CIS RIA
	pg/ml	136	102	170	
	pmol/l	781	586	976	ELISA
	pg/ml	282	211	353	
Alphafoetoprotein	pmol/l	1045	784	1306	IDS iSYS
	pg/ml	377	283	471	
	pmol/l	840	630	1050	Diasorin Liaison
	pg/ml	303	227	379	
	KIU/l = IU/ml	48.0	38.4	57.6	Abbott Architect
	ng/ml	58.1	46.5	69.7	
	KIU/l = IU/ml	47.6	38.1	57.1	BioMerieux Vidas
	ng/ml	57.6	46.1	69.1	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	55.4	43.8	67.0	Siemens Centaur XP/XPT/Classic
	ng/ml	67.0	52.9	81.1	
	KIU/l = IU/ml	47.3	37.8	56.8	Siemens Immulite 2000/2500
	ng/ml	57.2	45.7	68.7	
	KIU/l = IU/ml	45.1	36.1	54.1	Siemens Immulite 1000
	ng/ml	54.6	43.7	65.5	
	KIU/l = IU/ml	47.6	38.1	57.1	Beckman Dxl800
	ng/ml	57.6	46.1	69.1	
	KIU/l = IU/ml	53.9	43.1	64.7	Roche Elecsys
	ng/ml	65.2	52.2	78.2	
	KIU/l = IU/ml	52.4	41.9	62.9	Diasorin Liaison
	ng/ml	63.4	50.7	76.1	
	KIU/l = IU/ml	54.0	43.2	64.8	Roche Modular E170
	ng/ml	65.3	52.3	78.3	
	KIU/l = IU/ml	50.7	40.6	60.8	Beckman Access
	ng/ml	61.3	49.1	73.5	
	KIU/l = IU/ml	45.7	36.6	54.8	Tosoh AIA360
	ng/ml	55.3	44.3	66.3	
	KIU/l = IU/ml	50.7	40.6	60.8	Vitros ECI
	ng/ml	61.3	49.1	73.5	
	KIU/l = IU/ml	53.8	43.0	64.6	Roche Cobas 6000/8000
	ng/ml	65.1	52.0	78.2	
	KIU/l = IU/ml	74.1	59.3	88.9	CIS IRMA
	ng/ml	89.7	71.8	108	
	KIU/l = IU/ml	54.4	43.5	65.3	Roche Cobas E411
	ng/ml	65.8	52.6	79.0	
	KIU/l = IU/ml	50.3	40.2	60.4	Fujirebio Lumipulse G Series
	ng/ml	60.9	48.6	73.2	
	KIU/l = IU/ml	53.6	42.9	64.3	Siemens Dimension
	ng/ml	64.9	51.9	77.9	
	KIU/l = IU/ml	54.9	43.0	67.0	Siemens Centaur CP
	ng/ml	66.4	52.0	81.0	
Amikacin	µmol/l	15.5	12.4	18.6	Roche Integra
	µg/ml	9.08	7.26	10.9	
	µmol/l	14.6	11.7	17.5	Roche Cobas 6000/8000
	µg/ml	8.55	6.85	10.3	
	µmol/l	15.2	12.2	18.2	Gravimetric
	µg/ml	8.90	7.14	10.7	
Androstenedione	nmol/l	16.0	12.0	20.0	Siemens Immulite 2000
	ng/ml	4.59	3.44	5.74	
Beta-2-microglobulin	µg/ml = mg/l	3.98	3.18	4.78	Abbott Architect
	µg/ml = mg/l	3.68	2.94	4.42	BioMerieux Vidas
	µg/ml = mg/l	3.96	3.17	4.75	Behring Nephelometer
	µg/ml = mg/l	3.92	3.14	4.70	Roche Tinaquant
	µg/ml = mg/l	3.45	2.76	4.14	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.68	2.76	4.60	Siemens Immulite 1000

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Range					
Analyte	unit	Target	low	high	methods
Beta-2-microglobulin	µg/ml = mg/l	3.23	2.58	3.88	Diasorin Liaison
	µg/ml = mg/l	4.09	3.27	4.91	Roche Cobas E411
	µg/ml = mg/l	3.92	3.14	4.70	Roche Cobas 6000/8000
	µg/ml = mg/l	3.86	3.09	4.63	Roche Modular E170
	µg/ml = mg/l	3.85	3.08	4.62	Siemens ADVIA 1200/1650/1800/2400
C-Peptide	nmol/l	1.860	1.400	2.330	Siemens Immulite 2000/2500
	ng/ml	5.62	4.23	7.01	
	nmol/l	2.020	1.520	2.530	Roche Elecsys
	ng/ml	6.10	4.59	7.61	
	nmol/l	2.010	1.510	2.510	Roche Cobas 6000/8000
	ng/ml	6.07	4.56	7.58	
	nmol/l	1.830	1.370	2.290	Siemens Immulite 1000
	ng/ml	5.52	4.14	6.90	
	nmol/l	2.320	1.740	2.900	Diasorin Liaison
	ng/ml	7.00	5.25	8.75	
	nmol/l	2.030	1.520	2.540	Roche Cobas E411
	ng/ml	6.13	4.59	7.67	
	nmol/l	1.960	1.470	2.450	Roche Modular E170
	ng/ml	5.92	4.44	7.40	
	nmol/l	1.790	1.340	2.240	Abbott Architect
	ng/ml	5.40	4.05	6.75	
	nmol/l	1.600	1.200	2.000	Siemens Centaur XP/XPT/Classic
	ng/ml	4.83	3.62	6.04	
	nmol/l	1.910	1.430	2.390	Tosoh AIA360
	ng/ml	5.77	4.32	7.22	
CA 15-3	U/ml	47.1	37.7	56.5	Abbott Architect
	U/ml	41.1	32.9	49.3	BioMerieux Vidas
	U/ml	44.0	29.9	58.1	Siemens Centaur XP/XPT/Classic
	U/ml	54.6	42.3	66.9	Siemens Immulite 2000/2500
	U/ml	62.6	50.1	75.1	Siemens Immulite 1000
	U/ml	24.5	19.6	29.4	Beckman Dxl800
	U/ml	45.1	36.1	54.1	Roche Elecsys
	U/ml	45.2	32.7	57.7	Diasorin Liaison
	U/ml	44.4	35.5	53.3	Roche Modular E170
	U/ml	24.9	19.9	29.9	Beckman Access
	U/ml	45.3	32.4	58.2	Tosoh AIA360
	U/ml	42.2	33.8	50.6	Vitros ECI
	U/ml	44.8	35.8	53.8	Roche Cobas 6000/8000
	U/ml	44.0	35.2	52.8	Roche Cobas E411
	U/ml	50.9	40.7	61.1	Fujirebio Lumipulse G Series
	U/ml	46.7	31.8	61.6	Siemens Centaur CP
CA 19-9	U/ml	737	590	884	Abbott Architect
	U/ml	159	127	191	BioMerieux Vidas
	U/ml	251	171	331	Siemens Centaur XP/XPT/Classic
	U/ml	93.7	71.4	116	Siemens Immulite 2000/2500
	U/ml	91.2	73.0	109	Beckman Dxl800

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
CA 19-9	U/ml	64.8	51.8	77.8	Roche Elecsys
	U/ml	148	118	178	Diasorin Liaison
	U/ml	62.1	49.7	74.5	Roche Modular E170
	U/ml	97.5	78.0	117	Beckman Access
	U/ml	48.5	38.8	58.2	Tosoh AIA360
	U/ml	161	129	193	Vitros ECI
	U/ml	740	592	888	Abbott Architect XR/XR2 kit
	U/ml	61.9	49.5	74.3	Roche Cobas 6000/8000
	U/ml	64.7	51.8	77.6	Roche Cobas E411
	U/ml	143	114	172	Fujirebio Lumipulse G Series
	U/ml	244	166	322	Siemens Centaur CP
CA125	U/ml	148	118	178	Abbott Architect
	U/ml	108	86.4	130	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	115	92.0	138	Siemens Immulite 2000/2500
	U/ml	124	99.0	149	Siemens Immulite 1000
	U/ml	96.0	76.8	115	Beckman Dxl800
	U/ml	110	88.0	132	Roche Elecsys
	U/ml	158	116	200	Diasorin Liaison
	U/ml	110	88.0	132	Roche Modular E170
	U/ml	98.8	79.0	119	Beckman Access
	U/ml	186	149	223	Tosoh AIA360
	U/ml	109	87.2	131	Vitros ECI
	U/ml	112	89.6	134	Roche Cobas E411
	U/ml	111	88.8	133	Roche Cobas 6000/8000
	U/ml	106	84.8	127	Fujirebio Lumipulse G Series
	U/ml	128	87.0	169	Siemens Centaur CP CA125 II kit
Carbamazepine	µmol/l	38.8	31.0	46.6	Abbott Architect
	µg/ml	9.17	7.33	11.0	
	µmol/l	42.3	33.8	50.8	Behring Emit
	µg/ml	10.0	7.99	12.0	
	µmol/l	41.9	29.3	54.5	Siemens Centaur XP/XPT/Classic
	µg/ml	9.91	6.94	12.9	
	µmol/l	38.3	30.6	46.0	Siemens Dimension
	µg/ml	9.05	7.23	10.9	
	µmol/l	34.7	27.8	41.6	Siemens Immulite 2000/2500
	µg/ml	8.20	6.57	9.83	
	µmol/l	36.2	29.0	43.4	Siemens Immulite 1000
	µg/ml	8.56	6.86	10.3	
	µmol/l	38.3	30.6	46.0	Roche Integra
	µg/ml	9.05	7.23	10.9	
	µmol/l	37.4	29.9	44.9	Vitros
	µg/ml	8.84	7.07	10.6	
	µmol/l	36.3	29.0	43.6	Roche Cobas E411
	µg/ml	8.58	6.86	10.3	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	37.1	29.7	44.5	Roche Cobas 6000/8000
	µg/ml	8.77	7.02	10.5	
	µmol/l	34.1	27.1	41.1	Beckman DxC
	µg/ml	8.06	6.41	9.71	
	µmol/l	41.8	33.4	50.2	Beckman AU400/600/640/2700/5400
	µg/ml	9.88	7.90	11.9	
	µmol/l	42.3	33.8	50.8	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	10.0	7.99	12.0	
	µmol/l	38.5	30.8	46.2	Gravimetric
	µg/ml	9.10	7.28	10.9	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	29.4	23.5	35.3	Abbott Architect
	ng/ml = µg/l	24.7	19.8	29.6	BioMerieux Vidas
	ng/ml = µg/l	28.8	19.6	38.0	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	18.7	15.0	22.4	CIS RIA Coated tube
	ng/ml = µg/l	37.7	30.2	45.2	Siemens Immulite 2000/2500
	ng/ml = µg/l	37.2	29.8	44.6	Siemens Immulite 1000
	ng/ml = µg/l	23.3	18.6	28.0	Beckman Dxl800
	ng/ml = µg/l	23.3	18.6	28.0	Roche Elecsys
	ng/ml = µg/l	22.5	18.0	27.0	Diasorin Liaison
	ng/ml = µg/l	22.6	18.1	27.1	Roche Modular E170
	ng/ml = µg/l	25.0	20.0	30.0	Beckman Access
	ng/ml = µg/l	40.2	32.2	48.2	Tosoh AIA360
	ng/ml = µg/l	28.2	22.6	33.8	Vitros Eci
	ng/ml = µg/l	23.0	18.4	27.6	Roche Cobas 6000/8000
	ng/ml = µg/l	23.2	18.6	27.8	Roche Cobas E411
	ng/ml = µg/l	39.4	31.5	47.3	Fujirebio Lumipulse G Series
	ng/ml = µg/l	28.9	19.7	38.1	Siemens Centaur CP
Cortisol	nmol/l	524	393	655	Abbott Architect
	µg/dl	18.9	14.1	23.7	
	nmol/l	539	403	675	BioMerieux Vidas
	µg/dl	19.4	14.5	24.3	
	nmol/l	687	474	900	Siemens Centaur XP/XPT/Classic
	µg/dl	24.7	17.0	32.4	
	nmol/l	498	374	623	CIS RIA
	µg/dl	17.9	13.5	22.3	
	nmol/l	589	442	736	Siemens Immulite 2000/2500
	µg/dl	21.2	15.9	26.5	
	nmol/l	623	467	779	Siemens Immulite 1000
	µg/dl	22.4	16.8	28.0	
	nmol/l	556	417	695	Beckman Dxl800
	µg/dl	20.0	15.0	25.0	
	nmol/l	627	470	784	Roche Elecsys
	µg/dl	22.6	16.9	28.3	
	nmol/l	602	452	753	Diasorin Liaison
	µg/dl	21.7	16.3	27.1	
	nmol/l	593	445	741	Roche Modular E170
	µg/dl	21.3	16.0	26.6	

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Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	600	450	750	Beckman Access
	µg/dl	21.6	16.2	27.0	
	nmol/l	639	479	799	Tosoh AIA360
	µg/dl	23.0	17.2	28.8	
	nmol/l	533	400	666	Vitros ECI
	µg/dl	19.2	14.4	24.0	
	nmol/l	594	446	743	Roche Cobas 6000/8000
	µg/dl	21.4	16.1	26.7	
	nmol/l	619	464	774	Roche Cobas E411
	µg/dl	22.3	16.7	27.9	
	nmol/l	709	489	929	Siemens Centaur CP
	µg/dl	25.5	17.6	33.4	
	nmol/l	576	432	720	Roche Modular E170 Gen II
	µg/dl	20.7	15.6	25.8	
DHEA-S	nmol/l	613	460	766	Roche Cobas 4000/e411 Gen II
	µg/dl	22.1	16.6	27.6	
	nmol/l	573	430	716	Roche Cobas 6000/8000 Gen II
	µg/dl	20.6	15.5	25.7	
	µmol/l	13.6	10.9	16.3	Abbott Architect
	µmol/l	11.1	8.88	13.3	Siemens Immulite 2000/2500
	µmol/l	10.9	8.72	13.1	Siemens Immulite 1000
	µmol/l	11.2	8.96	13.4	Beckman Dxl800
	µmol/l	15.2	11.5	18.9	Roche Elecsys
	µmol/l	14.9	11.9	17.9	Roche Modular E170
	µmol/l	12.1	9.68	14.5	Beckman Access
	µmol/l	11.1	8.68	13.5	Diasorin Liaison
	µmol/l	11.0	7.15	14.9	Siemens Centaur XP/XPT/Classic
	µmol/l	15.2	12.2	18.2	Roche Cobas E411
Digoxin	µmol/l	15.2	12.2	18.2	Roche Cobas 6000/8000
	nmol/l	2.41	1.93	2.89	Siemens ADVIA 1200/1650/1800/2400
	ng/ml	1.88	1.51	2.25	
	nmol/l	2.68	2.14	3.22	Roche Cobas 4000/E411
	ng/ml	2.09	1.67	2.51	
	nmol/l	2.82	2.17	3.47	Siemens Centaur CP
	ng/ml	2.20	1.69	2.71	
	nmol/l	2.19	1.75	2.63	Abbott Architect
	ng/ml	1.71	1.37	2.05	
	nmol/l	2.40	1.92	2.88	BioMerieux Vidas
	ng/ml	1.87	1.50	2.25	
	nmol/l	2.95	2.27	3.63	Siemens Centaur XP/XPT/Classic
	ng/ml	2.30	1.77	2.83	
	nmol/l	2.59	2.07	3.11	Siemens Dimension
	ng/ml	2.02	1.62	2.43	
	nmol/l	2.93	2.34	3.52	Siemens Immulite 2000/2500
	ng/ml	2.29	1.83	2.75	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	3.35	2.68	4.02	Siemens Immulite 1000
	ng/ml	2.62	2.09	3.14	
	nmol/l	2.69	2.15	3.23	Beckman Dxl800
	ng/ml	2.10	1.68	2.52	
	nmol/l	2.68	2.14	3.22	Roche Elecsys
	ng/ml	2.09	1.67	2.51	
	nmol/l	2.56	2.05	3.07	Roche Integra
	ng/ml	2.00	1.60	2.40	
	nmol/l	2.61	2.09	3.13	Roche Modular E170
	ng/ml	2.04	1.63	2.44	
	nmol/l	2.43	1.94	2.92	Vitros
	ng/ml	1.90	1.52	2.28	
	nmol/l	2.60	2.08	3.12	Roche Cobas E411
	ng/ml	2.03	1.62	2.44	
	nmol/l	2.63	2.10	3.16	Roche Cobas 6000/8000
	ng/ml	2.05	1.64	2.47	
	nmol/l	2.43	1.94	2.92	Beckman DxC
	ng/ml	1.90	1.52	2.28	
	nmol/l	2.73	2.18	3.28	Beckman AU400/600/640/2700/5400
	ng/ml	2.13	1.70	2.56	
	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	125	100	150	Abbott Architect
	ng/ml = µg/l	94.0	75.2	113	BioMerieux Vidas
	ng/ml = µg/l	103	82.4	124	Roche Tinaquant
	ng/ml = µg/l	105	79.0	131	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	106	84.8	127	Siemens Dimension
	ng/ml = µg/l	105	84.0	126	Siemens Immulite 2000/2500
	ng/ml = µg/l	97.2	77.8	117	Siemens Immulite 1000
	ng/ml = µg/l	79.4	63.5	95.3	Beckman Dxl800
	ng/ml = µg/l	121	96.8	145	Roche Elecsys
	ng/ml = µg/l	110	88.0	132	Diasorin Liaison
	ng/ml = µg/l	120	96.0	144	Roche Modular E170
	ng/ml = µg/l	79.9	63.9	95.9	Beckman Access
	ng/ml = µg/l	77.7	62.2	93.2	Tosoh AIA360
	ng/ml = µg/l	76.6	61.3	91.9	Vitros ECI
	ng/ml = µg/l	119	95.2	143	Roche Cobas E411
	ng/ml = µg/l	101	80.8	121	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	65.8	52.6	79.0	Fujirebio Lumipulse G Series
	ng/ml = µg/l	99.0	74.3	124	Siemens Centaur CP
Folate	nmol/l	15.4	11.7	19.1	Abbott Architect
	ng/ml	6.79	5.16	8.42	
	nmol/l	32.8	21.3	44.3	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	14.5	9.43	19.6	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Folate	nmol/l	12.5	9.50	15.5	Siemens Immulite 2000
	ng/ml	5.51	4.19	6.83	
	nmol/l	17.9	13.6	22.2	Beckman Dxl800
	ng/ml	7.89	6.00	9.78	
	nmol/l	17.8	13.4	22.2	Roche Elecsys
	ng/ml	7.85	5.91	9.79	
	nmol/l	17.0	12.9	21.1	Roche Modular E170
	ng/ml	7.50	5.69	9.31	
	nmol/l	18.4	14.0	22.8	Beckman Access
	ng/ml	8.11	6.17	10.1	
	nmol/l	26.5	20.1	32.9	Tosoh AIA360
	ng/ml	11.7	8.86	14.5	
	nmol/l	11.0	8.36	13.6	Vitros ECI
	ng/ml	4.85	3.69	6.01	
	nmol/l	17.5	13.1	21.9	Roche Cobas E411
	ng/ml	7.72	5.78	9.66	
	nmol/l	17.6	13.4	21.8	Roche Cobas 6000/8000
	ng/ml	7.76	5.91	9.61	
	nmol/l	10.2	7.75	12.6	Siemens Dimension
	ng/ml	4.50	3.42	5.58	
Free T3	nmol/l	37.8	24.6	51.0	Siemens Centaur CP (enhanced kit)
	ng/ml	16.7	10.9	22.5	
	nmol/l	17.5	13.3	21.7	Roche Cobas 6000/8000 Folate III
	ng/ml	7.72	5.87	9.57	
	nmol/l	17.7	13.5	21.9	Roche Cobas 4000/e411 Folate III
	ng/ml	7.81	5.95	9.67	
	nmol/l	16.4	12.5	20.3	Roche Modular E170 Folate III
	ng/ml	7.23	5.51	8.95	
	pmol/l	13.9	10.4	17.4	Abbott Architect
	ng/dl	0.904	0.676	1.13	
	pg/ml	9.05	6.77	11.3	
	pmol/l	15.4	11.6	19.3	BioMerieux Vidas
	ng/dl	1.00	0.754	1.25	
	pg/ml	10.0	7.55	12.5	
	pmol/l	14.7	8.82	20.6	Siemens Centaur XP/XPT/Classic
	ng/dl	0.956	0.570	1.34	
	pg/ml	9.57	5.74	13.4	
	pmol/l	12.2	9.15	15.3	Siemens Immulite 2000/2500
	ng/dl	0.793	0.595	0.991	
	pg/ml	7.94	5.96	9.92	
	pmol/l	12.0	9.00	15.0	Siemens Immulite 1000
	ng/dl	0.780	0.585	0.975	
	pg/ml	7.81	5.86	9.76	
	pmol/l	11.7	8.78	14.6	Beckman Dxl800
	ng/dl	0.761	0.571	0.951	
	pg/ml	7.62	5.72	9.52	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	18.4	13.8	23.0	Roche Elecsys
	ng/dl	1.20	0.897	1.50	
	pg/ml	12.0	8.98	15.0	
	pmol/l	21.1	15.8	26.4	Diasorin Liaison
	ng/dl	1.37	1.03	1.71	
	pg/ml	13.7	10.3	17.1	
	pmol/l	17.9	13.4	22.4	Roche Modular E170
	ng/dl	1.16	0.871	1.45	
	pg/ml	11.7	8.72	14.7	
	pmol/l	12.8	9.60	16.0	Beckman Access
	ng/dl	0.832	0.624	1.04	
	pg/ml	8.33	6.25	10.4	
	pmol/l	20.6	15.5	25.8	Tosoh AIA360
	ng/dl	1.34	1.01	1.67	
	pg/ml	13.4	10.1	16.7	
	pmol/l	34.5	25.9	43.1	Vitros ECI
	ng/dl	2.24	1.68	2.80	
	pg/ml	22.5	16.9	28.1	
	pmol/l	18.1	13.6	22.6	Roche Cobas E411
	ng/dl	1.18	0.884	1.48	
	pg/ml	11.8	8.85	14.8	
	pmol/l	18.2	13.7	22.8	Roche Cobas 6000/8000
	ng/dl	1.18	0.891	1.47	
	pg/ml	11.8	8.92	14.7	
	pmol/l	19.6	14.7	24.5	Siemens Dimension
	ng/dl	1.27	0.956	1.58	
	pg/ml	12.8	9.57	16.0	
	pmol/l	18.6	14.0	23.3	Siemens Dimension Vista LOCI
	ng/dl	1.21	0.910	1.51	
	pg/ml	12.1	9.11	15.1	
	pmol/l	14.0	8.40	19.6	Siemens Centaur CP
	ng/dl	0.910	0.546	1.27	
	pg/ml	9.11	5.47	12.8	
Free T4	pmol/l	29.4	22.1	36.8	Abbott Architect
	ng/dl	2.29	1.72	2.86	
	pg/ml	22.9	17.2	28.6	
	pmol/l	30.0	22.5	37.5	Siemens Centaur XP/XPT/Classic
	ng/dl	2.34	1.76	2.92	
	pg/ml	23.4	17.6	29.2	
	pmol/l	40.4	30.3	50.5	CIS RIA Coated tube
	ng/dl	3.15	2.36	3.94	
	pg/ml	31.5	23.6	39.4	
	pmol/l	39.5	29.6	49.4	Siemens Dimension
	ng/dl	3.08	2.31	3.85	
	pg/ml	30.8	23.1	38.5	
	pmol/l	44.3	33.2	55.4	Siemens Immulite 2000/2500
	ng/dl	3.46	2.59	4.33	
	pg/ml	34.6	25.9	43.3	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	45.2	33.9	56.5	Siemens Immulite 1000
	ng/dl	3.53	2.64	4.42	
	pg/ml	35.3	26.4	44.2	
	pmol/l	35.7	26.8	44.6	Beckman Dxl800
	ng/dl	2.78	2.09	3.47	
	pg/ml	27.8	20.9	34.7	
	pmol/l	43.0	32.3	53.8	Roche Elecsys
	ng/dl	3.35	2.52	4.18	
	pg/ml	33.5	25.2	41.8	
	pmol/l	50.4	37.8	63.0	Diasorin Liaison
	ng/dl	3.93	2.95	4.91	
	pg/ml	39.3	29.5	49.1	
	pmol/l	43.5	32.6	54.4	Roche Modular E170
	ng/dl	3.39	2.54	4.24	
	pg/ml	33.9	25.4	42.4	
	pmol/l	34.4	25.8	43.0	Beckman Access
	ng/dl	2.68	2.01	3.35	
	pg/ml	26.8	20.1	33.5	
	pmol/l	41.2	30.9	51.5	Tosoh AIA360
	ng/dl	3.21	2.41	4.01	
	pg/ml	32.1	24.1	40.1	
	pmol/l	79.2	59.4	99.0	Vitros ECI
	ng/dl	6.18	4.63	7.73	
	pg/ml	61.8	46.3	77.3	
	pmol/l	42.8	32.1	53.5	Roche Cobas 6000/8000
	ng/dl	3.34	2.50	4.18	
	pg/ml	33.4	25.0	41.8	
	pmol/l	36.3	27.2	45.4	Immunotech IRMA
	ng/dl	2.83	2.12	3.54	
	pg/ml	28.3	21.2	35.4	
	pmol/l	42.7	32.0	53.4	Roche Cobas E411
	ng/dl	3.33	2.50	4.16	
	pg/ml	33.3	25.0	41.6	
	pmol/l	36.8	27.6	46.0	Monobind Inc. ELISA / CLIA
	ng/dl	2.87	2.15	3.59	
	pg/ml	28.7	21.5	35.9	
	pmol/l	36.1	27.1	45.1	Siemens Dimension Vista LOCI
	ng/dl	2.82	2.11	3.53	
	pg/ml	28.2	21.1	35.3	
	pmol/l	47.4	35.6	59.3	Biomérieux Vidas FT4N Kit
	ng/dl	3.70	2.78	4.62	
	pg/ml	37.0	27.8	46.2	
	pmol/l	33.3	25.0	41.6	Siemens Centaur CP
	ng/dl	2.60	1.95	3.25	
	pg/ml	26.0	19.5	32.5	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
FSH	mU/ml	23.0	18.4	27.6	Abbott Architect
	mU/ml	29.6	23.7	35.5	BioMerieux Vidas
	mU/ml	31.0	23.3	38.7	Siemens Centaur XP/XPT/Classic
	mU/ml	26.4	21.1	31.7	Siemens Immulite 2000/2500
	mU/ml	26.1	20.9	31.3	Siemens Immulite 1000
	mU/ml	28.3	22.6	34.0	Beckman Dxl800
	mU/ml	25.8	20.6	31.0	Roche/BM Elecsys
	mU/ml	35.1	24.9	45.3	Diasorin Liaison
	mU/ml	24.5	19.6	29.4	Roche Modular E170
	mU/ml	28.3	22.6	34.0	Beckman Access
	mU/ml	28.7	23.0	34.4	Tosoh AIA360
	mU/ml	20.5	16.4	24.6	Vitros ECi
	mU/ml	26.0	20.8	31.2	Roche Cobas E411
	mU/ml	25.2	20.2	30.2	Roche Cobas 6000/8000
	mU/ml	22.8	18.2	27.4	Fujirebio Lumipulse G Series
	mU/ml	26.5	19.9	33.1	Siemens Centaur CP
Gentamicin	µmol/l	7.70	6.16	9.24	Roche Integra
	µg/ml	3.68	2.94	4.42	
	µmol/l	8.37	5.94	10.8	Siemens Centaur XP/XPT/Classic
	µg/ml	4.00	2.84	5.16	
	µmol/l	7.89	6.31	9.47	Siemens Dimension Vista
	µg/ml	3.77	3.02	4.52	
	µmol/l	5.82	4.66	6.98	Roche Cobas 6000/8000
	µg/ml	2.78	2.23	3.33	
	µmol/l	9.10	7.28	10.9	Beckman DxC
	µg/ml	4.35	3.48	5.22	
Growth Hormone (GH)	µmol/l	8.16	6.53	9.79	Gravimetric
	µg/ml	3.90	3.12	4.68	
	µU/ml	17.6	14.1	21.1	Siemens Immulite 2000/2500
	ng/ml	5.86	4.70	7.02	
	µU/ml	16.7	13.4	20.0	Siemens Immulite 1000
	ng/ml	5.56	4.46	6.66	
	µU/ml	13.1	10.5	15.7	Beckman Dxl800
	ng/ml	4.36	3.50	5.22	
	µU/ml	14.0	11.2	16.8	Beckman Access
	ng/ml	4.66	3.73	5.59	
	µU/ml	14.6	11.7	17.5	Diasorin Liaison
	ng/ml	4.86	3.90	5.82	
	µU/ml	14.9	11.9	17.9	Roche Cobas E411
	ng/ml	4.96	3.96	5.96	
Immunoglobulin E	µU/ml	15.7	12.6	18.8	Roche Cobas 6000/8000
	ng/ml	5.23	4.20	6.26	
	µU/ml	15.9	12.7	19.1	IDS iSYS
	ng/ml	5.29	4.23	6.35	
Immunoglobulin E	KIU/l = IU/ml	102	81.6	122	Abbott Architect

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Immunoglobulin E	KIU/l = IU/ml	96.6	77.3	116	BioMerieux Vidas
	KIU/l = IU/ml	115	69.0	161	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	120	96.0	144	Siemens Immulite 2000/2500
	KIU/l = IU/ml	120	96.0	144	Siemens Immulite 1000
	KIU/l = IU/ml	105	84.0	126	Beckman Dxl800
	KIU/l = IU/ml	126	101	151	Roche Elecsys
	KIU/l = IU/ml	117	93.6	140	Pharmacia Unicap
	KIU/l = IU/ml	125	100	150	Roche Modular E170
	KIU/l = IU/ml	117	93.6	140	Tosoh AIA360
	KIU/l = IU/ml	126	101	151	Roche Cobas E411
	KIU/l = IU/ml	128	102	154	Roche Cobas 6000/8000
	KIU/l = IU/ml	109	87.2	131	Fujirebio Lumipulse G Series
	KIU/l = IU/ml	115	69.0	161	Siemens Centaur CP
Insulin	mU/l	23.4	17.6	29.3	Siemens Centaur XP/XPT/Classic
	pmol/l	163	122	204	
	mU/l	7.05	5.29	8.81	Siemens Immulite 1000
	pmol/l	49.0	36.7	61.3	
	mU/l	18.9	14.2	23.6	Roche Modular E170
	pmol/l	131	98.6	163	
	mU/l	18.3	13.7	22.9	Roche Elecsys
	pmol/l	127	95.1	159	
	mU/l	16.5	12.4	20.6	Beckman Access
	pmol/l	115	86.1	144	
	mU/l	17.7	13.3	22.1	Abbott Architect
	pmol/l	123	92.4	154	
	mU/l	20.8	15.6	26.0	Tosoh AIA360
	pmol/l	144	108	180	
	mU/l	18.8	14.1	23.5	Roche Cobas E411
	pmol/l	131	97.9	164	
	mU/l	15.8	11.9	19.8	Beckman Dxl 600/800
	pmol/l	110	82.6	137	
	mU/l	26.6	20.0	33.3	Diasorin Liaison
	pmol/l	185	139	231	
	mU/l	18.8	14.1	23.5	Roche Cobas 6000/8000
	pmol/l	131	97.9	164	
	mU/l	18.8	14.1	23.5	Fujirebio Lumipulse G Series
	pmol/l	131	97.9	164	
	mU/l	25.2	18.9	31.5	Siemens Centaur CP
	pmol/l	175	131	219	
	mU/l	18.0	11.4	24.6	Ortho Vitros ECI
	pmol/l	125	79.3	171	
Luteinising Hormone (LH)	mU/ml	22.1	17.7	26.5	Abbott Architect
	mU/ml	24.6	19.7	29.5	BioMerieux Vidas
	mU/ml	27.9	21.5	34.3	Siemens Centaur XP/XPT/Classic
	mU/ml	40.5	32.4	48.6	Siemens Immulite 2000
	mU/ml	40.9	32.7	49.1	Siemens Immulite 1000

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Luteinising Hormone (LH)	mU/ml	18.1	14.5	21.7	Beckman Dxl800
	mU/ml	29.2	23.4	35.0	Roche Elecsys
	mU/ml	34.3	27.4	41.2	Diasorin Liaison
	mU/ml	29.3	23.4	35.2	Roche Modular E170
	mU/ml	18.6	14.9	22.3	Beckman Access
	mU/ml	25.3	20.2	30.4	Tosoh AIA360
	mU/ml	39.5	31.6	47.4	Vitros ECI
	mU/ml	29.9	23.9	35.9	Roche Cobas E411
	mU/ml	29.9	23.9	35.9	Roche Cobas 6000/8000
	mU/ml	25.8	20.6	31.0	Fujirebio Lumipulse G Series
	mU/ml	29.2	22.5	35.9	Siemens Centaur CP
Oestradiol	pmol/l	685	548	822	Abbott Architect
	pg/ml	186	149	223	
	pmol/l	1176	941	1411	BioMerieux Vidas
	pg/ml	320	256	384	
	pmol/l	964	578	1350	Siemens Centaur XP/XPT/Classic
	pg/ml	262	157	367	
	pmol/l	983	786	1180	Siemens Immulite 2000/2500
	pg/ml	267	214	320	
	pmol/l	1024	819	1229	Siemens Immulite 1000
	pg/ml	279	223	335	
	pmol/l	972	778	1166	Beckman Dxl800
	pg/ml	264	212	316	
	pmol/l	722	578	866	Roche Elecsys (Estradiol II)
	pg/ml	196	157	235	
	pmol/l	725	580	870	Roche Modular E170 (Estradiol II)
	pg/ml	197	158	236	
	pmol/l	1006	805	1207	Beckman Access
	pg/ml	274	219	329	
	pmol/l	765	612	918	Tosoh (E2)
	pg/ml	208	166	250	
	pmol/l	917	734	1100	Vitros ECI
	pg/ml	249	200	298	
	pmol/l	726	581	871	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	197	158	236	
	pmol/l	711	569	853	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	193	155	231	
	pmol/l	953	572	1334	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	259	155	363	
	pmol/l	977	586	1368	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	266	160	372	
	pmol/l	752	602	902	Tosoh (iE2-hsE2)
	pg/ml	205	164	246	
	pmol/l	978	587	1369	Siemens Centaur CP
	pg/ml	266	160	372	
	pmol/l	960	576	1344	Siemens Centaur CP Enhanced (eE2)
	pg/ml	261	157	365	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	933	746	1120	Fujirebio Lumipulse G Series
	pg/ml	254	203	305	
	pmol/l	722	578	866	Roche Cobas 6000/8000 (Estradiol III)
	pg/ml	196	157	235	
	pmol/l	709	567	851	Roche Elecsys (Estradiol III)
	pg/ml	193	154	232	
	pmol/l	721	577	865	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	196	157	235	
Paracetamol	pmol/l	713	570	856	Roche Modular E170 (Estradiol III)
	pg/ml	194	155	233	
	mmol/l	0.320	0.256	0.384	Roche Integra
	mg/l	48.4	38.7	58.1	
	mmol/l	0.380	0.304	0.456	Vitros
	mg/l	57.5	46.0	69.0	
	mmol/l	0.330	0.264	0.396	Abbott Architect
	mg/l	49.9	39.9	59.9	
Phenobarbital	mmol/l	0.310	0.248	0.372	Roche Cobas 6000/8000
	mg/l	46.9	37.5	56.3	
	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.7	42.4	63.5	
	µmol/l	83.4	66.7	100	Abbott Architect
	µg/ml	19.3	15.5	23.1	
	µmol/l	77.4	61.9	92.9	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	18.0	14.4	21.6	
	µmol/l	77.2	61.8	92.6	Siemens Immulite 2000/2500
	µg/ml	17.9	14.3	21.5	
	µmol/l	83.6	66.9	100	Beckman AU400/600/640/2700/5400
	µg/ml	19.4	15.5	23.3	
	µmol/l	90.6	65.2	116	Siemens Centaur XP/XPT/Classic
	µg/ml	21.0	15.1	26.9	
	µmol/l	79.9	63.9	95.9	Roche Integra
	µg/ml	18.5	14.8	22.2	
Phenytoin	µmol/l	76.0	60.8	91.2	Siemens Immulite 1000
	µg/ml	17.6	14.1	21.1	
	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	
	µmol/l	67.8	54.2	81.4	Abbott Architect
	µg/ml	17.1	13.7	20.5	
	µmol/l	80.8	63.0	98.6	Siemens Centaur XP/XPT/Classic
	µg/ml	20.4	15.9	24.9	
	µmol/l	68.6	54.9	82.3	Siemens Dimension
	µg/ml	17.3	13.9	20.7	
	µmol/l	65.2	52.2	78.2	Siemens Immulite 2000/2500
	µg/ml	16.5	13.2	19.8	
	µmol/l	67.3	53.8	80.8	Siemens Immulite 1000
	µg/ml	17.0	13.6	20.4	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Phenytoin	µmol/l	65.6	52.5	78.7	Roche Integra
	µg/ml	16.6	13.3	19.9	
	µmol/l	72.8	56.0	89.6	Vitros
	µg/ml	18.4	14.1	22.7	
	µmol/l	66.7	53.4	80.0	Roche Cobas E411
	µg/ml	16.8	13.5	20.1	
	µmol/l	66.2	53.0	79.4	Roche Cobas 6000/8000
	µg/ml	16.7	13.4	20.0	
	µmol/l	65.1	52.1	78.1	Beckman DxC
	µg/ml	16.4	13.2	19.6	
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	30.3	24.2	36.4	Abbott Architect
	ng/ml	9.48	7.57	11.4	
	nmol/l	47.2	37.8	56.6	BioMerieux Vidas
	ng/ml	14.8	11.8	17.8	
	nmol/l	26.9	18.8	35.0	Siemens Centaur XP/XPT/Classic
	ng/ml	8.42	5.89	11.0	
	nmol/l	29.0	23.2	34.8	Siemens Immulite 2000/2500
	ng/ml	9.08	7.26	10.9	
	nmol/l	33.7	27.0	40.4	Siemens Immulite 1000
	ng/ml	10.5	8.45	12.6	
	nmol/l	37.2	29.8	44.6	Beckman Dxl Prog Cal 33555
	ng/ml	11.6	9.33	13.9	
	nmol/l	36.0	28.8	43.2	Roche Elecsys (Prog. II)
	ng/ml	11.3	9.01	13.6	
	nmol/l	36.7	29.4	44.0	Roche Modular E170 (Prog. II)
	ng/ml	11.5	9.20	13.8	
	nmol/l	37.1	29.7	44.5	Beckman Access Prog Cal 33555
	ng/ml	11.6	9.30	13.9	
	nmol/l	41.4	31.0	51.8	Tosoh AIA360
	ng/ml	13.0	9.70	16.3	
	nmol/l	39.8	31.8	47.8	Vitros ECI
	ng/ml	12.5	9.95	15.1	
	nmol/l	36.1	28.9	43.3	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	11.3	9.05	13.6	
	nmol/l	36.2	29.0	43.4	Roche Cobas 6000/8000 (Prog. II)
	ng/ml	11.3	9.08	13.5	
	nmol/l	31.0	24.8	37.2	Diasorin Liaison
	ng/ml	9.70	7.76	11.6	
	nmol/l	33.7	24.4	43.0	Beckman Dxl Prog DE Cal A80773
	ng/ml	10.5	7.64	13.4	
	nmol/l	32.3	24.2	40.4	Beckman Access Prog DE Cal A80773
	ng/ml	10.1	7.57	12.6	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	28.1	19.7	36.5	Siemens Centaur CP
	ng/ml	8.80	6.16	11.4	
	nmol/l	36.1	28.9	43.3	Roche Cobas 6000/8000 (Prog. III)
	ng/ml	11.3	9.05	13.6	
	nmol/l	34.3	27.4	41.2	Roche Elecsys (Prog. III)
	ng/ml	10.7	8.58	12.8	
	nmol/l	36.0	28.8	43.2	Roche Cobas 4000/e411 (Prog. III)
	ng/ml	11.3	9.01	13.6	
	nmol/l	35.6	28.5	42.7	Roche Modular E170 (Prog. III)
	ng/ml	11.1	8.92	13.3	
Prolactin	µU/ml	735	588	882	Abbott Architect
	µU/ml	854	683	1025	BioMerieux Vidas
	µU/ml	607	473	741	Siemens Centaur XP/XPT/Classic
	µU/ml	658	526	790	Siemens Immulite 2000/2500
	µU/ml	666	533	799	Siemens Immulite 1000
	µU/ml	608	486	730	Beckman Dxl800
	µU/ml	719	575	863	Roche Elecsys
	µU/ml	803	642	964	Diasorin Liaison
	µU/ml	706	565	847	Roche Modular E170
	µU/ml	636	509	763	Beckman Access
	µU/ml	774	548	1000	Tosoh AIA360
	µU/ml	636	509	763	Vitros ECI
	µU/ml	710	568	852	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	777	622	932	Immunotech IRMA
	µU/ml	740	592	888	Roche Cobas E411
	µU/ml	714	571	857	Roche Cobas 6000/8000
	µU/ml	913	730	1096	Fujirebio Lumipulse G Series
	µU/ml	736	589	883	Abbott Architect restandardised
	µU/ml	615	480	750	Siemens Centaur CP
PSA Free	ng/ml = µg/l	8.69	6.52	10.9	Abbott Architect
	ng/ml = µg/l	10.8	8.10	13.5	BioMerieux Vidas
	ng/ml = µg/l	8.87	6.65	11.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	8.48	6.36	10.6	Siemens Dimension
	ng/ml = µg/l	6.75	5.06	8.44	Siemens Immulite 2000/2500
	ng/ml = µg/l	6.49	4.87	8.11	Siemens Immulite 1000
	ng/ml = µg/l	10.5	7.88	13.1	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	8.20	6.15	10.3	Roche Elecsys
	ng/ml = µg/l	3.09	2.32	3.86	Diasorin Liaison
	ng/ml = µg/l	7.86	5.90	9.83	Roche Modular E170
	ng/ml = µg/l	10.8	8.10	13.5	Beckman Access standardised to Hybritech
	ng/ml = µg/l	7.13	5.35	8.91	Tosoh AIA360
	ng/ml = µg/l	8.28	6.21	10.4	Roche Cobas E411
	ng/ml = µg/l	8.15	6.11	10.2	Roche Cobas 6000/8000
	ng/ml = µg/l	8.23	6.17	10.3	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	10.7	8.03	13.4	Beckman Access standardised to WHO IRP96/670

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
PSA Free	ng/ml = µg/l	7.51	5.63	9.39	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	6.93	5.20	8.66	Fujirebio Lumipulse G Series
PSA Total	ng/ml = µg/l	9.72	7.29	12.2	Abbott Architect
	ng/ml = µg/l	11.1	8.33	13.9	BioMerieux Vidas
	ng/ml = µg/l	11.3	8.48	14.1	bioMerieux VIDAS TPSA
	ng/ml = µg/l	9.31	6.98	11.6	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	10.1	7.58	12.6	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	8.01	6.01	10.0	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	9.55	7.16	11.9	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	8.62	6.47	10.8	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	10.2	7.65	12.8	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	8.10	6.08	10.1	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	11.9	8.93	14.9	Roche Elecsys
	ng/ml = µg/l	3.68	2.76	4.60	Diasorin Liaison
	ng/ml = µg/l	11.1	8.33	13.9	Roche Modular E170
	ng/ml = µg/l	10.5	7.88	13.1	Beckman Access standardised to Hybritech
	ng/ml = µg/l	10.3	7.73	12.9	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	7.51	5.63	9.39	Tosoh AIA360
	ng/ml = µg/l	11.0	8.25	13.8	Vitros ECi
	ng/ml = µg/l	10.1	7.58	12.6	CIS RIA Coated tube
	ng/ml = µg/l	11.9	8.93	14.9	Roche Cobas E411
	ng/ml = µg/l	11.5	8.63	14.4	Roche Cobas 6000/8000
	ng/ml = µg/l	9.29	6.97	11.6	Fujirebio Lumipulse G Series
	ng/ml = µg/l	11.1	8.33	13.9	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	8.91	6.68	11.1	Siemens Centaur CP
Salicylic Acid	mmol/l	1.18	0.944	1.42	Abbott Architect
	mg/dl	16.3	13.0	19.6	
	mmol/l	1.29	1.03	1.55	Beckman DxC
	mg/dl	17.8	14.2	21.4	
	mmol/l	1.22	0.980	1.46	Gravimetric
SHBG	mg/dl	16.9	13.5	20.2	
	nmol/l	49.5	37.1	61.9	Siemens Centaur XP/XPT/Classic
	nmol/l	34.2	27.4	41.0	Siemens Immulite 1000
	nmol/l	37.5	30.0	45.0	Siemens Immulite 2000/2500
	nmol/l	39.2	29.5	48.9	Roche Elecsys
	nmol/l	39.2	31.4	47.0	Roche Modular E170
	nmol/l	39.7	31.8	47.6	Abbott Architect
	nmol/l	39.9	31.9	47.9	Roche Cobas E411
	nmol/l	39.7	31.8	47.6	Roche Cobas 6000/8000
T Uptake	nmol/l	37.8	30.2	45.4	Beckman Dxl800
	%U	36.8	30.2	43.4	Siemens Immulite 2000
Testosterone	nmol/l	14.7	11.8	17.6	Abbott Architect
	ng/ml	4.23	3.40	5.06	
	ng/dl	423	340	506	
	nmol/l	11.4	9.12	13.7	BioMerieux Vidas
	ng/ml	3.28	2.63	3.93	
	ng/dl	328	263	393	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	11.8	8.26	15.3	Siemens Centaur XP/XPT/Classic
	ng/ml	3.40	2.38	4.42	
	ng/dl	340	238	442	
	nmol/l	13.4	9.62	17.2	CIS RIA Coated tube
	ng/ml	3.86	2.77	4.95	
	ng/dl	386	277	495	
	nmol/l	17.2	13.8	20.6	Siemens Immulite 2000/2500
	ng/ml	4.95	3.97	5.93	
	ng/dl	495	397	593	
	nmol/l	21.9	16.4	27.4	Siemens Immulite 1000
	ng/ml	6.31	4.72	7.90	
	ng/dl	631	472	790	
	nmol/l	12.9	10.3	15.5	Beckman Dxl800
	ng/ml	3.72	2.97	4.47	
	ng/dl	372	297	447	
	nmol/l	13.7	11.0	16.4	Beckman Access
	ng/ml	3.95	3.17	4.73	
	ng/dl	395	317	473	
	nmol/l	19.5	15.6	23.4	Tosoh AIA360
	ng/ml	5.62	4.49	6.75	
	ng/dl	562	449	675	
	nmol/l	18.5	14.8	22.2	Vitros ECI
	ng/ml	5.33	4.26	6.40	
	ng/dl	533	426	640	
	nmol/l	15.2	12.2	18.2	Roche Cobas 6000 Test 2
	ng/ml	4.38	3.51	5.25	
	ng/dl	438	351	525	
	nmol/l	14.9	11.9	17.9	Roche Elecsys Test II
	ng/ml	4.29	3.43	5.15	
	ng/dl	429	343	515	
	nmol/l	15.0	12.0	18.0	Roche Modular E170 Test II
	ng/ml	4.32	3.46	5.18	
	ng/dl	432	346	518	
	nmol/l	15.0	12.0	18.0	Roche Cobas 4000/e411 Test II
	ng/ml	4.32	3.46	5.18	
	ng/dl	432	346	518	
	nmol/l	14.7	11.8	17.6	Abbott Architect 2nd Generation
	ng/ml	4.23	3.40	5.06	
	ng/dl	423	340	506	
	nmol/l	12.4	8.68	16.1	Siemens Centaur CP
	ng/ml	3.57	2.50	4.64	
	ng/dl	357	250	464	
	nmol/l	11.1	8.88	13.3	BioMerieux Vidas Testosterone II
	ng/ml	3.20	2.56	3.84	
	ng/dl	320	256	384	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Theophylline	µmol/l	80.6	64.5	96.7	Siemens Centaur XP/XPT/Classic
	µg/ml	14.5	11.6	17.4	
	µmol/l	84.3	67.4	101	Siemens Dimension
	µg/ml	15.2	12.1	18.3	
	µmol/l	85.7	68.6	103	Roche Integra
	µg/ml	15.4	12.4	18.4	
	µmol/l	97.6	78.1	117	Vitros
	µg/ml	17.6	14.1	21.1	
	µmol/l	79.3	63.4	95.2	Abbott Architect
	µg/ml	14.3	11.4	17.2	
	µmol/l	79.7	63.8	95.6	Roche Cobas 6000/8000
	µg/ml	14.4	11.5	17.3	
	µmol/l	75.9	60.7	91.1	Beckman DxC
	µg/ml	13.7	10.9	16.5	
	µmol/l	75.0	60.0	90.0	Beckman AU400/600/640/2700/5400
	µg/ml	13.5	10.8	16.2	
	µmol/l	83.8	67.0	101	Gravimetric
	µg/ml	15.1	12.1	18.2	
Thyroglobulin	ng/ml	21.5	16.1	26.9	Siemens Immulite 1000
	ng/ml	18.4	13.8	23.0	Siemens Immulite 2000
	ng/ml	28.2	21.2	35.3	Roche Elecsys
	ng/ml	27.2	20.4	34.0	Roche Modular E170
	ng/ml	29.5	22.1	36.9	Beckman Dxl800
	ng/ml	28.6	21.5	35.8	Roche Cobas E411
	ng/ml	28.4	21.3	35.5	Roche Cobas 6000/8000
	ng/ml	31.2	23.4	39.0	Beckman Access
	ng/ml	29.8	22.4	37.3	Tosoh AIA360
	ng/ml	28.1	21.1	35.1	Roche Cobas 6000 TGII
	ng/ml	29.4	22.1	36.8	Roche Elecsys TGII
	ng/ml	29.1	21.8	36.4	Roche Cobas 4000/E411 TGII
	ng/ml	27.6	20.7	34.5	Roche Modular E170 TGII
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.13	1.70	2.56	Abbott Architect
	µU/ml = mIU/l	2.50	2.00	3.00	bioMerieux VIDAS TSH
	µU/ml = mIU/l	2.26	1.81	2.71	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.43	1.65	3.21	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	2.83	2.26	3.40	CIS IRMA
	µU/ml = mIU/l	2.44	1.65	3.23	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	2.25	1.80	2.70	Siemens Dimension
	µU/ml = mIU/l	2.46	1.97	2.95	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.29	1.83	2.75	Siemens Immulite 1000
	µU/ml = mIU/l	2.20	1.76	2.64	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	2.19	1.75	2.63	Beckman Dxl800
	µU/ml = mIU/l	2.60	2.08	3.12	Roche Elecsys
	µU/ml = mIU/l	2.95	2.36	3.54	Diasorin Liaison
	µU/ml = mIU/l	2.56	2.05	3.07	Roche Modular E170
	µU/ml = mIU/l	2.14	1.71	2.57	Beckman Access Fast TSH

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.23	1.78	2.68	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.50	2.00	3.00	Tosoh AIA360
	µU/ml = mIU/l	2.76	2.21	3.31	Vitros ECI
	µU/ml = mIU/l	2.59	2.07	3.11	Roche Cobas E411
	µU/ml = mIU/l	2.55	2.04	3.06	Roche Cobas 6000/8000
	µU/ml = mIU/l	2.20	1.76	2.64	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.14	1.71	2.57	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	2.42	1.65	3.19	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	2.45	1.67	3.23	Siemens Centaur CP
	µU/ml = mIU/l	2.41	1.64	3.18	Siemens Centaur CP TSH3-Ultra
Tobramycin	µmol/l	7.16	5.73	8.59	Gravimetric
	µg/ml	3.35	2.68	4.02	
Total Beta hCG	mU/ml=IU/l	14.9	11.9	17.9	Abbott Architect
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	24.3	19.4	29.2	BioMerieux Vidas
	IU/ml	0.024	0.019	0.029	
	mU/ml=IU/l	17.7	10.6	24.8	Siemens Centaur XP/XPT/Classic
	IU/ml	0.018	0.011	0.025	
	mU/ml=IU/l	24.4	19.5	29.3	Siemens Dimension
	IU/ml	0.024	0.020	0.028	
	mU/ml=IU/l	30.8	24.6	37.0	Siemens Immulite 2000
	IU/ml	0.031	0.025	0.037	
	mU/ml=IU/l	29.5	23.6	35.4	Siemens Immulite 1000
	IU/ml	0.030	0.024	0.036	
	mU/ml=IU/l	16.9	13.5	20.3	Beckman Dxl800
	IU/ml	0.017	0.014	0.020	
	mU/ml=IU/l	15.2	12.2	18.2	Diasorin Liaison
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	17.6	14.1	21.1	Roche Cobas Core EIA
	IU/ml	0.018	0.014	0.022	
	mU/ml=IU/l	16.7	13.4	20.0	Beckman Access
	IU/ml	0.017	0.013	0.021	
	mU/ml=IU/l	24.5	19.6	29.4	Tosoh AIA360
	IU/ml	0.025	0.020	0.030	
	mU/ml=IU/l	26.6	21.3	31.9	Vitros ECI
	IU/ml	0.027	0.021	0.033	
	mU/ml=IU/l	17.3	13.8	20.8	Roche STAT (Intact)
	IU/ml	0.017	0.014	0.020	
	mU/ml=IU/l	16.8	13.4	20.2	Roche hCG+Beta
	IU/ml	0.017	0.013	0.021	
	mU/ml=IU/l	13.9	11.1	16.7	Fujirebio Lumipulse G Series
	IU/ml	0.014	0.011	0.017	
	mU/ml=IU/l	16.1	12.9	19.3	Radiometer AQT90 Flex
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	16.9	13.5	20.3	Beckman Access Total BhCG (5th IS)
	IU/ml	0.017	0.014	0.020	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	17.6	14.1	21.1	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.018	0.014	0.022	
	mU/ml=IU/l	18.1	10.9	25.3	Siemens Centaur CP
	IU/ml	0.018	0.011	0.025	
Total T3	nmol/l	3.93	2.95	4.91	Abbott Architect
	ng/ml	2.56	1.92	3.20	
	ng/dl	256	192	320	
	nmol/l	4.55	3.41	5.69	BioMerieux Vidas
	ng/ml	2.96	2.22	3.70	
	ng/dl	296	222	370	
	nmol/l	4.85	3.64	6.06	Siemens Centaur XP/XPT/Classic
	ng/ml	3.16	2.37	3.95	
	ng/dl	316	237	395	
	nmol/l	4.04	3.03	5.05	Siemens Immulite 2000/2500
	ng/ml	2.63	1.97	3.29	
	ng/dl	263	197	329	
	nmol/l	4.39	3.27	5.51	Siemens Immulite 1000
	ng/ml	2.86	2.13	3.59	
	ng/dl	286	213	359	
	nmol/l	3.80	2.85	4.75	Beckman Dxl800
	ng/ml	2.47	1.86	3.08	
	ng/dl	247	186	308	
	nmol/l	4.68	3.51	5.85	Roche Elecsys
	ng/ml	3.05	2.29	3.81	
	ng/dl	305	229	381	
	nmol/l	3.62	2.59	4.65	Diasorin Liaison
	ng/ml	2.36	1.69	3.03	
	ng/dl	236	169	303	
	nmol/l	4.54	3.41	5.68	Roche Modular E170
	ng/ml	2.96	2.22	3.70	
	ng/dl	296	222	370	
	nmol/l	3.82	2.87	4.78	Beckman Access
	ng/ml	2.49	1.87	3.11	
	ng/dl	249	187	311	
	nmol/l	4.42	3.32	5.53	Tosoh AIA360
	ng/ml	2.88	2.16	3.60	
	ng/dl	288	216	360	
	nmol/l	5.09	3.82	6.36	Vitros ECI
	ng/ml	3.31	2.49	4.13	
	ng/dl	331	249	413	
	nmol/l	3.22	2.42	4.03	CIS RIA Coated tube
	ng/ml	2.10	1.58	2.62	
	ng/dl	210	158	262	
	nmol/l	4.58	3.44	5.73	Roche Cobas E411
	ng/ml	2.98	2.24	3.72	
	ng/dl	298	224	372	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	4.53	3.40	5.66	Roche Cobas 6000/8000
	ng/ml	2.95	2.21	3.69	
	ng/dl	295	221	369	
	nmol/l	4.01	3.01	5.01	Monobind Inc. ELISA / CLIA
	ng/ml	2.61	1.96	3.26	
	ng/dl	261	196	326	
	nmol/l	5.15	3.86	6.44	Siemens Centaur CP
	ng/ml	3.35	2.51	4.19	
	ng/dl	335	251	419	
Total T4	nmol/l	138	104	173	Abbott Architect
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	155	116	194	BioMerieux Vidas
	µg/dl	12.1	9.05	15.2	
	ng/ml	121	90.5	152	
	nmol/l	154	100	208	Siemens Centaur XP/XPT/Classic
	µg/dl	12.0	7.80	16.2	
	ng/ml	120	78.0	162	
	nmol/l	152	114	190	Siemens Immulite 2000/2500
	µg/dl	11.9	8.89	14.9	
	ng/ml	119	88.9	149	
	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 Dxl800
	µg/dl	11.1	8.35	13.9	
	ng/ml	111	83.5	139	
	nmol/l	142	107	178	Roche Elecsys
	µg/dl	11.1	8.35	13.9	
	ng/ml	111	83.5	139	
	nmol/l	126	94.5	158	Diasorin Liaison
	µg/dl	9.83	7.37	12.3	
	ng/ml	98.3	73.7	123	
	nmol/l	140	105	175	Roche Modular E170
	µg/dl	10.9	8.19	13.6	
	ng/ml	109	81.9	136	
	nmol/l	143	107	179	Beckman Access
	µg/dl	11.2	8.35	14.1	
	ng/ml	112	83.5	141	
	nmol/l	138	104	173	Tosoh AIA360
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	146	110	183	Vitros ECI
	µg/dl	11.4	8.58	14.2	
	ng/ml	114	85.8	142	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	132	99.0	165	CIS RIA Coated tube
	µg/dl	10.3	7.72	12.9	
	ng/ml	103	77.2	129	
	nmol/l	144	108	180	Roche Cobas E411
	µg/dl	11.2	8.42	14.0	
	ng/ml	112	84.2	140	
	nmol/l	135	101	169	Roche Cobas 6000/8000
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	120	90.0	150	Immunotech IRMA
	µg/dl	9.36	7.02	11.7	
	ng/ml	93.6	70.2	117	
	nmol/l	161	105	217	Siemens Centaur CP
	µg/dl	12.6	8.20	17.0	
	ng/ml	126	82.0	170	
Valproic Acid	µmol/l	532	426	638	Abbott Architect
	µg/ml	76.8	61.5	92.1	
	µmol/l	534	427	641	Siemens Centaur XP/XPT/Classic
	µg/ml	77.1	61.6	92.6	
	µmol/l	558	446	670	Siemens Dimension
	µg/ml	80.5	64.4	96.6	
	µmol/l	528	422	634	Siemens Immulite 2000/2500
	µg/ml	76.2	60.9	91.5	
	µmol/l	548	438	658	Siemens Immulite 1000
	µg/ml	79.1	63.2	95.0	
	µmol/l	537	430	644	Roche Integra
	µg/ml	77.5	62.0	93.0	
	µmol/l	542	434	650	Vitros
	µg/ml	78.2	62.6	93.8	
	µmol/l	546	437	655	Roche Cobas E411
	µg/ml	78.8	63.1	94.5	
	µmol/l	545	436	654	Roche Cobas 6000/8000
	µg/ml	78.6	62.9	94.3	
	µmol/l	547	438	656	Beckman DxC
	µg/ml	78.9	63.2	94.6	
	µmol/l	585	468	702	Beckman AU400/600/640/2700/5400
	µg/ml	84.4	67.5	101	
	µmol/l	584	467	701	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	84.3	67.4	101	
	µmol/l	561	449	673	Siemens Centaur CP
	µg/ml	81.0	64.8	97.2	
	µmol/l	638	510	766	Gravimetric
	µg/ml	92.1	73.6	111	
Vancomycin	µmol/l	8.27	6.62	9.92	Roche Integra
	µg/ml	12.3	9.84	14.8	
	µmol/l	7.09	5.67	8.51	Ortho Vitros Microslide Systems
	µg/ml	10.5	8.42	12.6	

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

Cat. No. IA3110 / IA3112 Lot No. 1727EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2020-04-28

Range					
Analyte	unit	Target	low	high	methods
Vancomycin	µmol/l	8.06	6.45	9.67	Abbott Architect
	µg/ml	12.0	9.58	14.4	
	µmol/l	6.01	4.69	7.33	Siemens Centaur XP/XPT/Classic
	µg/ml	8.93	6.97	10.9	
	µmol/l	7.41	5.93	8.89	Siemens Dimension
	µg/ml	11.0	8.81	13.2	
	µmol/l	7.00	5.60	8.40	Roche Cobas 6000/8000
	µg/ml	10.4	8.32	12.5	
	µmol/l	7.51	6.01	9.01	Beckman DxC
	µg/ml	11.2	8.93	13.5	
Vitamin B12	µmol/l	7.10	5.68	8.52	Gravimetric
	µg/ml	10.5	8.44	12.7	
	pmol/l	397	318	476	Abbott Architect
	pg/ml	538	431	645	
	pmol/l	395	296	494	Siemens Centaur XP/XPT/Classic
	pg/ml	535	401	669	
	pmol/l	390	293	487	Siemens Immulite 2000
	pg/ml	528	397	659	
	pmol/l	325	260	390	Beckman Dxl800
	pg/ml	440	352	528	
	pmol/l	413	330	496	Roche Elecsys
	pg/ml	560	447	673	
	pmol/l	427	342	512	Roche Modular E170
	pg/ml	579	463	695	
	pmol/l	345	276	414	Beckman Access
	pg/ml	467	374	560	
	pmol/l	527	422	632	Tosoh AIA360
	pg/ml	714	572	856	
	pmol/l	437	350	524	Vitros ECI
	pg/ml	592	474	710	
	pmol/l	411	329	493	Roche Cobas E411
	pg/ml	557	446	668	
	pmol/l	428	342	514	Roche Cobas 6000/8000
	pg/ml	580	463	697	
	pmol/l	404	323	485	Siemens Dimension
	pg/ml	547	438	656	
	pmol/l	426	320	532	Siemens Centaur CP
	pg/ml	577	433	721	