

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

CAT. NO.	IA3109	GTIN:	05055273207255	SIZE	12 x 5 ml
CAT. NO.	IA3112	GTIN:	05055273207286	SIZE	4 x 5 ml
LOT NO.	2105EC	EXPIRY:	2024-12-28		

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

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

ACTH should be tested immediately after the 30-minute reconstitution period. No frozen stability claim is made for ACTH, Aldosterone and C-Peptide. Only the required amount of product should be removed. After use, any residual product should NOT BE RETURNED to the original vial.

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

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

PREPARATION

Immunoassay Premium Plus is supplied lyophilized.

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 I: 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. 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.



Randox Teoranta, Meenmore,
Dungloe, Donegal,
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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	3.28	2.46	4.10	Immunotech RIA
	ng/ml	1.09	0.814	1.37	
	nmol/l	4.09	3.07	5.11	DRG ELISA
	ng/ml	1.35	1.02	1.68	
	nmol/l	4.77	3.58	5.96	DIAsource RIA
	ng/ml	1.58	1.18	1.98	
	nmol/l	4.28	3.21	5.35	DIAsource ELISA
	ng/ml	1.42	1.06	1.78	
25-OH Vitamin D	nmol/l	49.7	37.3	62.1	Diasorin Liaison
	nmol/l	24.9	18.7	31.1	Siemens Centaur XP/XPT/Classic
	nmol/l	25.7	19.3	32.1	Roche Vitamin D Total
	nmol/l	25.7	19.3	32.1	Abbott Architect (3L52)
	nmol/l	99.0	74.3	124	Vitros ECI
	nmol/l	28.0	21.0	35.0	Tosoh Series
	nmol/l	34.1	25.6	42.6	BioMerieux Vidas
	nmol/l	50.9	38.2	63.6	Beckman Dxl 600/800
	nmol/l	23.7	17.8	29.6	Fujirebio Lumipulse G Series
	nmol/l	51.9	38.9	64.9	Beckman Access 25 OH Vitamin D Total
	nmol/l	25.3	19.0	31.6	Abbott Architect (5P02)/ Alinity (8P45)
	nmol/l	50.2	37.7	62.8	Diasorin Liaison XL
	nmol/l	27.9	20.9	34.9	Roche Vitamin D Total II
	nmol/l	26.2	19.7	32.8	Abbott Alinity i
	nmol/l	20.2	15.2	25.3	Siemens Atellica IM
	nmol/l	25.0	18.8	31.3	Roche Vitamin D Total II e801
ACTH	pmol/l	7.98	5.99	9.98	CIS IRMA
	pg/ml	36.3	27.2	45.4	
	pmol/l	2.41	1.81	3.01	Siemens Immulite 1000
	pg/ml	11.0	8.23	13.8	
	pmol/l	2.63	1.97	3.29	Roche Elecsys
	pg/ml	12.0	8.95	15.1	
	pmol/l	3.35	2.51	4.19	Diasorin Liaison XL
	pg/ml	15.2	11.4	19.0	
	pmol/l	3.80	2.85	4.75	Tosoh AIA-CL Series
	pg/ml	17.3	13.0	21.6	
Aldosterone	pmol/l	116	87.0	145	CIS RIA
	pg/ml	41.9	31.4	52.4	
	pmol/l	149	112	186	Immunotech RIA
	pg/ml	53.8	40.4	67.2	
	pmol/l	315	236	394	IDS iSYS
	pg/ml	114	85.1	143	
	pmol/l	98.9	74.2	124	Diasorin Liaison
	pg/ml	35.7	26.8	44.6	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	8.17	6.54	9.80	Abbott Architect
	ng/ml	9.89	7.91	11.9	
	KIU/l = IU/ml	8.44	6.75	10.1	BioMerieux Vidas
	ng/ml	10.2	8.17	12.2	
	KIU/l = IU/ml	9.63	7.70	11.6	Siemens Centaur XP/XPT/Classic
	ng/ml	11.7	9.32	14.1	
	KIU/l = IU/ml	8.73	6.98	10.5	Siemens Immulite 2000/2500
	ng/ml	10.6	8.45	12.8	
	KIU/l = IU/ml	8.43	6.74	10.1	Siemens Immulite 1000
	ng/ml	10.2	8.16	12.2	
	KIU/l = IU/ml	8.58	6.86	10.3	Beckman Dxl800
	ng/ml	10.4	8.30	12.5	
	KIU/l = IU/ml	9.22	7.38	11.1	Roche Elecsys
	ng/ml	11.2	8.93	13.5	
	KIU/l = IU/ml	9.15	7.32	11.0	Diasorin Liaison
	ng/ml	11.1	8.86	13.3	
	KIU/l = IU/ml	8.39	6.71	10.1	Beckman Access
	ng/ml	10.2	8.12	12.3	
	KIU/l = IU/ml	8.91	7.13	10.7	Tosoh Series
	ng/ml	10.8	8.63	13.0	
	KIU/l = IU/ml	8.93	7.14	10.7	Vitros Eci
	ng/ml	9.29	7.43	11.2	
	KIU/l = IU/ml	9.34	7.47	11.2	Roche Cobas e601/602
	ng/ml	11.3	9.04	13.6	
	KIU/l = IU/ml	16.5	13.2	19.8	CIS IRMA
	ng/ml	20.0	16.0	24.0	
	KIU/l = IU/ml	9.30	7.44	11.2	Roche Cobas 4000/E411
	ng/ml	11.3	9.00	13.6	
	KIU/l = IU/ml	9.50	7.60	11.4	Siemens Centaur CP
	ng/ml	11.5	9.20	13.8	
	KIU/l = IU/ml	7.86	6.29	9.43	Mindray CL Series
	ng/ml	9.51	7.61	11.4	
	KIU/l = IU/ml	10.1	8.08	12.1	Diasorin Liaison XL
	ng/ml	12.2	9.78	14.6	
	KIU/l = IU/ml	9.62	7.70	11.5	Siemens Atellica IM
	ng/ml	11.6	9.32	13.9	
	KIU/l = IU/ml	8.16	6.53	9.79	Abbott Alinity i
	ng/ml	9.87	7.90	11.8	
	KIU/l = IU/ml	9.47	7.58	11.4	Roche Cobas e402/e801
	ng/ml	11.5	9.17	13.8	
	KIU/l = IU/ml	7.81	6.25	9.37	Tosoh AIA-CL Series
	ng/ml	9.45	7.56	11.3	
Amikacin	µmol/l	6.35	5.08	7.62	Roche Cobas 6000/8000
	µg/ml	3.72	2.97	4.47	
	µmol/l	6.09	4.87	7.31	Abbott Architect
	µg/ml	3.57	2.85	4.29	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Amikacin	µmol/l	6.15	4.92	7.38	Thermo Scientific QMS Amikacin
	µg/ml	3.60	2.88	4.32	
	µmol/l	6.33	5.06	7.60	Abbott Alinity
	µg/ml	3.71	2.96	4.46	
	µmol/l	6.40	5.12	7.68	Gravimetric
	µg/ml	3.75	3.00	4.50	
Androstenedione	nmol/l	3.04	2.28	3.80	Beckman Coulter RIA
	ng/ml	0.872	0.654	1.09	
	nmol/l	5.97	4.48	7.46	Siemens Immulite 2000
	ng/ml	1.71	1.29	2.13	
	nmol/l	6.49	4.87	8.11	Diasorin Liaison XL
	ng/ml	1.86	1.40	2.32	
Beta-2-microglobulin	µg/ml = mg/l	0.933	0.746	1.12	Abbott Architect
	µg/ml = mg/l	0.999	0.799	1.20	BioMerieux Vidas
	µg/ml = mg/l	0.847	0.678	1.02	Behring Nephelometer
	µg/ml = mg/l	0.898	0.718	1.08	Siemens Immulite 2000/2500
	µg/ml = mg/l	0.955	0.764	1.15	Tosoh Series
	µg/ml = mg/l	1.01	0.808	1.21	Roche Cobas 6000/8000
	µg/ml = mg/l	0.655	0.524	0.786	Diasorin Liaison XL
	µg/ml = mg/l	0.772	0.618	0.926	Siemens Atellica CH
C-Peptide	µg/ml = mg/l	0.932	0.746	1.12	Abbott Alinity
	nmol/l	0.535	0.401	0.669	Siemens Immulite 2000/2500
	ng/ml	1.62	1.21	2.03	
	nmol/l	0.664	0.498	0.830	Roche Elecsys
	ng/ml	2.00	1.50	2.50	
	nmol/l	0.694	0.521	0.868	Roche Cobas e601/602
	ng/ml	2.10	1.57	2.63	
	nmol/l	0.665	0.499	0.831	Diasorin Liaison
	ng/ml	2.01	1.51	2.51	
	nmol/l	0.693	0.520	0.866	Roche Cobas 4000/E411
	ng/ml	2.09	1.57	2.61	
	nmol/l	0.610	0.458	0.763	Abbott Architect
	ng/ml	1.84	1.38	2.30	
	nmol/l	0.448	0.336	0.560	Siemens Centaur XP/XPT/Classic
	ng/ml	1.35	1.01	1.69	
	nmol/l	0.612	0.459	0.765	Tosoh Series
	ng/ml	1.85	1.39	2.31	
	nmol/l	0.711	0.533	0.889	Diasorin Liaison XL
	ng/ml	2.15	1.61	2.69	
	nmol/l	0.673	0.505	0.841	Roche Cobas e402/e801
	ng/ml	2.03	1.52	2.54	
	nmol/l	0.422	0.317	0.528	Siemens Atellica IM
	ng/ml	1.27	0.957	1.58	
	nmol/l	0.649	0.487	0.811	Vitros ECi
	ng/ml	1.96	1.47	2.45	
	nmol/l	0.717	0.538	0.896	Tosoh AIA-CL Series
	ng/ml	2.16	1.62	2.70	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
C-Peptide	nmol/l	0.451	0.338	0.564	Beckman Access
	ng/ml	1.36	1.02	1.70	
	nmol/l	0.603	0.452	0.754	Abbott Alinity i
	ng/ml	1.82	1.36	2.28	
CA 15-3	U/ml	33.3	26.6	40.0	Abbott Architect
	U/ml	22.9	18.3	27.5	BioMerieux Vidas
	U/ml	24.3	19.4	29.2	Siemens Centaur XP/XPT/Classic
	U/ml	24.2	19.4	29.0	Siemens Immulite 2000/2500
	U/ml	10.6	8.48	12.7	Beckman Dxl800
	U/ml	22.6	18.1	27.1	Roche Elecsys
	U/ml	10.1	8.08	12.1	Beckman Access
	U/ml	26.9	21.5	32.3	Tosoh Series
	U/ml	19.9	15.9	23.9	Vitros ECI
	U/ml	22.2	17.8	26.6	Roche Cobas e601/602
	U/ml	22.2	17.8	26.6	Roche Cobas 4000/E411
	U/ml	24.1	19.3	28.9	Siemens Centaur CP
	U/ml	13.8	11.0	16.6	Mindray CL-2000i
	U/ml	23.8	19.0	28.6	Diasorin Liaison XL
	U/ml	26.6	21.3	31.9	Siemens Atellica IM
	U/ml	20.9	16.7	25.1	Roche Cobas e402/e801
	U/ml	32.4	25.9	38.9	Abbott Alinity i
CA 19-9	U/ml	35.9	28.7	43.1	BioMerieux Vidas
	U/ml	42.4	33.9	50.9	Siemens Centaur XP/XPT/Classic
	U/ml	44.6	35.7	53.5	Siemens Immulite 2000/2500
	U/ml	48.1	38.5	57.7	Beckman Dxl800
	U/ml	23.9	19.1	28.7	Roche Elecsys
	U/ml	53.9	43.1	64.7	Beckman Access
	U/ml	23.3	18.6	28.0	Tosoh Series
	U/ml	49.0	39.2	58.8	Vitros ECI
	U/ml	73.4	58.7	88.1	Abbott Architect XR/XR2/XRL
	U/ml	23.9	19.1	28.7	Roche Cobas e601/602
	U/ml	24.9	19.9	29.9	Roche Cobas 4000/E411
	U/ml	43.8	35.0	52.6	Siemens Centaur CP
	U/ml	19.4	15.5	23.3	Mindray CL-2000i
	U/ml	46.6	37.3	55.9	Diasorin Liaison XL
	U/ml	43.3	34.6	52.0	Siemens Atellica IM
	U/ml	25.7	20.6	30.8	Roche Cobas e402/e801
	U/ml	73.6	58.9	88.3	Abbott Alinity XR/XR2/XRL
CA125	U/ml	27.2	21.8	32.6	Abbott Architect
	U/ml	19.0	15.2	22.8	BioMerieux Vidas
	U/ml	21.1	16.9	25.3	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	21.8	17.4	26.2	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	17.4	13.9	20.9	Siemens Immulite 2000/2500
	U/ml	21.1	16.9	25.3	Siemens Immulite 1000
	U/ml	15.4	12.3	18.5	Beckman Dxl800

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
CA125	U/ml	17.8	14.2	21.4	Roche Elecsys
	U/ml	16.1	12.9	19.3	Beckman Access
	U/ml	32.2	25.8	38.6	Tosoh Series
	U/ml	16.8	13.4	20.2	Vitros ECI
	U/ml	18.0	14.4	21.6	Roche Cobas 4000/E411
	U/ml	18.6	14.9	22.3	Roche Cobas e601/602
	U/ml	16.5	13.2	19.8	Fujirebio Lumipulse G Series
	U/ml	21.9	17.5	26.3	Siemens Centaur CP CA125 II kit
	U/ml	35.0	28.0	42.0	Mindray CL-2000i
	U/ml	23.2	18.6	27.8	Diasorin Liaison XL
	U/ml	25.8	20.6	31.0	Siemens Atellica IM
	U/ml	17.9	14.3	21.5	Roche Cobas e402/e801
	U/ml	27.8	22.2	33.4	Abbott Alinity i
	U/ml	27.8	22.2	33.4	Abbott Alinity i
Carbamazepine	µmol/l	15.5	12.4	18.6	Abbott Architect (CMIA)
	µg/ml	3.66	2.93	4.39	
	µmol/l	17.2	13.8	20.6	Siemens Centaur XP/XPT/Classic
	µg/ml	4.07	3.26	4.88	
	µmol/l	13.4	10.7	16.1	Siemens Dimension
	µg/ml	3.17	2.53	3.81	
	µmol/l	13.0	10.4	15.6	Siemens Immulite 2000/2500
	µg/ml	3.07	2.46	3.68	
	µmol/l	13.2	10.6	15.8	Siemens Immulite 1000
	µg/ml	3.12	2.51	3.73	
	µmol/l	15.6	12.5	18.7	Roche Integra
	µg/ml	3.69	2.96	4.42	
	µmol/l	14.2	11.4	17.0	Roche Cobas 6000/8000
	µg/ml	3.36	2.69	4.03	
	µmol/l	15.4	12.3	18.5	Beckman AU400/600/640/2700/5400
	µg/ml	3.64	2.91	4.37	
	µmol/l	14.0	11.2	16.8	Abbott Architect (PETINA)
	µg/ml	3.31	2.65	3.97	
	µmol/l	16.0	12.8	19.2	EMIT
	µg/ml	3.78	3.03	4.53	
	µmol/l	14.4	11.5	17.3	Siemens Atellica CH
	µg/ml	3.40	2.72	4.08	
	µmol/l	13.2	10.6	15.8	Abbott Alinity (PETINA)
	µg/ml	3.12	2.51	3.73	
	µmol/l	15.4	12.3	18.5	Gravimetric
	µg/ml	3.64	2.91	4.37	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	5.12	4.10	6.14	Abbott Architect
	ng/ml = µg/l	4.02	3.22	4.82	BioMerieux Vidas
	ng/ml = µg/l	4.90	3.92	5.88	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	7.44	5.95	8.93	CIS RIA Coated tube
	ng/ml = µg/l	5.97	4.78	7.16	Siemens Immulite 2000/2500
	ng/ml = µg/l	6.28	5.02	7.54	Siemens Immulite 1000
	ng/ml = µg/l	4.15	3.32	4.98	Beckman DxI800

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	4.08	3.26	4.90	Roche Elecsys
	ng/ml = µg/l	3.81	3.05	4.57	Diasorin Liaison
	ng/ml = µg/l	4.34	3.47	5.21	Beckman Access
	ng/ml = µg/l	6.81	5.45	8.17	Tosoh Series
	ng/ml = µg/l	4.30	3.44	5.16	Vitros ECI
	ng/ml = µg/l	4.18	3.34	5.02	Roche Cobas e601/602
	ng/ml = µg/l	4.23	3.38	5.08	Roche Cobas 4000/E411
	ng/ml = µg/l	6.43	5.14	7.72	Fujirebio Lumipulse G Series
	ng/ml = µg/l	4.96	3.97	5.95	Siemens Centaur CP
	ng/ml = µg/l	3.63	2.90	4.36	Mindray CL-2000i
	ng/ml = µg/l	4.23	3.38	5.08	Diasorin Liaison XL
	ng/ml = µg/l	4.82	3.86	5.78	Siemens Atellica IM
	ng/ml = µg/l	4.05	3.24	4.86	Roche Cobas e402/e801
	ng/ml = µg/l	4.91	3.93	5.89	Abbott Alinity i
Cortisol	nmol/l	221	166	276	Abbott Architect
	µg/dl	7.96	5.98	9.94	
	nmol/l	150	113	188	BioMerieux Vidas
	µg/dl	5.40	4.07	6.73	
	nmol/l	212	159	265	Siemens Centaur XP/XPT/Classic
	µg/dl	7.63	5.72	9.54	
	nmol/l	177	133	221	CIS RIA
	µg/dl	6.37	4.79	7.95	
	nmol/l	184	138	230	Siemens Immulite 2000/2500
	µg/dl	6.62	4.97	8.27	
	nmol/l	195	146	244	Siemens Immulite 1000
	µg/dl	7.02	5.26	8.78	
	nmol/l	215	161	269	Beckman Dxl800
	µg/dl	7.74	5.80	9.68	
	nmol/l	196	147	245	Roche Elecsys
	µg/dl	7.06	5.29	8.83	
	nmol/l	218	164	273	Beckman Access
	µg/dl	7.85	5.90	9.80	
	nmol/l	190	143	238	Tosoh Series
	µg/dl	6.84	5.15	8.53	
	nmol/l	163	122	204	Vitros ECI
	µg/dl	5.87	4.39	7.35	
	nmol/l	196	147	245	Roche Cobas e601/602
	µg/dl	7.06	5.29	8.83	
	nmol/l	207	155	259	Roche Cobas 4000/E411
	µg/dl	7.45	5.58	9.32	
	nmol/l	232	174	290	Siemens Centaur CP
	µg/dl	8.35	6.26	10.4	
	nmol/l	205	154	256	Roche Cobas 4000/e411 Gen II
	µg/dl	7.38	5.54	9.22	
	nmol/l	197	148	246	Roche Cobas e601/602 Gen II
	µg/dl	7.09	5.33	8.85	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	208	156	260	Roche Elecsys Gen II
	µg/dl	7.49	5.62	9.36	
	nmol/l	217	163	271	Diasorin Liaison XL
	µg/dl	7.81	5.87	9.75	
	nmol/l	248	186	310	Siemens Atellica IM
	µg/dl	8.93	6.70	11.2	
	nmol/l	192	144	240	Roche Cobas e402/e801
	µg/dl	6.91	5.18	8.64	
DHEA-S	nmol/l	212	159	265	Tosoh AIA-CL Series
	µg/dl	7.63	5.72	9.54	
	nmol/l	218	164	273	Abbott Alinity i
	µg/dl	7.85	5.90	9.80	
	µmol/l	2.27	1.82	2.72	Abbott Architect
	µmol/l	1.78	1.42	2.14	Siemens Immulite 2000/2500
	µmol/l	1.50	1.20	1.80	Siemens Immulite 1000
	µmol/l	2.17	1.74	2.60	Beckman Dxl800
	µmol/l	3.06	2.45	3.67	Roche Elecsys
	µmol/l	2.39	1.91	2.87	Beckman Access
	µmol/l	1.72	1.38	2.06	Diasorin Liaison
	µmol/l	1.98	1.58	2.38	Siemens Centaur XP/XPT/Classic
	µmol/l	2.87	2.30	3.44	Roche Cobas 4000/E411
	µmol/l	2.81	2.25	3.37	Roche Cobas e601/602
	µmol/l	1.85	1.48	2.22	Diasorin Liaison XL
	µmol/l	2.02	1.62	2.42	Siemens Atellica IM
Digoxin	µmol/l	2.77	2.22	3.32	Roche Cobas e402/e801
	µmol/l	2.28	1.82	2.74	Abbott Alinity i
	nmol/l	0.584	0.467	0.701	Abbott Architect (CMIA)
	ng/ml	0.456	0.365	0.547	
	nmol/l	0.618	0.494	0.742	BioMerieux Vidas
	ng/ml	0.483	0.386	0.580	
	nmol/l	0.966	0.773	1.16	Siemens Centaur XP/XPT/Classic
	ng/ml	0.754	0.604	0.904	
	nmol/l	0.668	0.534	0.802	Siemens Dimension
	ng/ml	0.522	0.417	0.627	
	nmol/l	0.716	0.573	0.859	Beckman Dxl800
	ng/ml	0.559	0.448	0.670	
	nmol/l	0.796	0.637	0.955	Roche Cobas e601/602
	ng/ml	0.622	0.497	0.747	
	nmol/l	0.852	0.682	1.02	Beckman AU400/600/640/2700/5400
	ng/ml	0.665	0.533	0.797	
	nmol/l	0.874	0.699	1.05	Roche Cobas 4000/E411
	ng/ml	0.683	0.546	0.820	
	nmol/l	0.765	0.612	0.918	Roche Cobas e402/e801
	ng/ml	0.597	0.478	0.716	
	nmol/l	1.01	0.808	1.21	Siemens Atellica IM
	ng/ml	0.789	0.631	0.947	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	0.731	0.585	0.877	Abbott Alinity (CMIA)
	ng/ml	0.571	0.457	0.685	
	nmol/l	0.789	0.631	0.947	Abbott Alinity (PETINA)
	ng/ml	0.616	0.493	0.739	
	nmol/l	0.896	0.717	1.08	Gravimetric
Ethosuximide	ng/ml	0.700	0.560	0.840	
	μmol/l	226	181	271	Gravimetric
Ferritin	μg/ml	32.0	25.7	38.4	
	ng/ml = μg/l	12.3	9.84	14.8	Abbott Architect
	ng/ml = μg/l	9.15	7.32	11.0	BioMerieux Vidas
	ng/ml = μg/l	9.22	7.38	11.1	Siemens Centaur XP/XPT/Classic
	ng/ml = μg/l	12.3	9.84	14.8	Siemens Dimension
	ng/ml = μg/l	11.2	8.96	13.4	Siemens Immulite 2000/2500
	ng/ml = μg/l	10.6	8.48	12.7	Siemens Immulite 1000
	ng/ml = μg/l	8.52	6.82	10.2	Beckman Dxl800
	ng/ml = μg/l	13.9	11.1	16.7	Roche Elecsys/Cobas e411
	ng/ml = μg/l	11.6	9.28	13.9	Diasorin Liaison
	ng/ml = μg/l	13.5	10.8	16.2	Roche Modular E170 / Roche Cobas e601/602
	ng/ml = μg/l	8.43	6.74	10.1	Beckman Access
	ng/ml = μg/l	8.16	6.53	9.79	Tosoh Series
	ng/ml = μg/l	9.71	7.77	11.7	Vitros ECI
	ng/ml = μg/l	13.9	11.1	16.7	Roche Cobas 4000/c311
	ng/ml = μg/l	14.6	11.7	17.5	Roche Cobas c501/502/503/701/702
	ng/ml = μg/l	8.66	6.93	10.4	Siemens Centaur CP
	ng/ml = μg/l	12.7	10.2	15.2	Diasorin Liaison XL
	ng/ml = μg/l	12.9	10.3	15.5	Abbott Alinity i
	ng/ml = μg/l	8.46	6.77	10.2	Siemens Atellica IM
	ng/ml = μg/l	13.7	11.0	16.4	Roche Cobas e402/e801
Folate	nmol/l	6.02	4.58	7.46	Abbott Architect
	ng/ml	2.65	2.02	3.28	
	nmol/l	12.3	9.35	15.3	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	5.42	4.12	6.72	
	nmol/l	4.88	3.71	6.05	Siemens Immulite 2000
	ng/ml	2.15	1.64	2.66	
	nmol/l	5.12	3.89	6.35	Beckman Dxl 600 / 800 - A14208
	ng/ml	2.26	1.72	2.80	
	nmol/l	5.66	4.30	7.02	Beckman Access
	ng/ml	2.50	1.90	3.10	
	nmol/l	7.78	5.91	9.65	Tosoh Series
	ng/ml	3.43	2.61	4.25	
	nmol/l	5.13	3.90	6.36	Vitros ECI
	ng/ml	2.26	1.72	2.80	
	nmol/l	5.50	4.18	6.82	Beckman Dxl 600 / 800 - A98032
	ng/ml	2.43	1.84	3.02	
	nmol/l	14.5	11.0	18.0	Siemens Centaur CP (enhanced kit)
	ng/ml	6.39	4.85	7.93	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Folate	nmol/l	5.21	3.96	6.46	Roche Folate III - 04476433
	ng/ml	2.30	1.75	2.85	
	nmol/l	4.91	3.73	6.09	Roche Elecsys Folate
	ng/ml	2.17	1.64	2.70	
	nmol/l	5.06	3.85	6.27	Roche Folate III - 07559992
	ng/ml	2.23	1.70	2.76	
	nmol/l	3.84	2.92	4.76	Diasorin Liaison XL
	ng/ml	1.69	1.29	2.09	
	nmol/l	13.9	10.6	17.2	Siemens Atellica IM
	ng/ml	6.13	4.67	7.59	
	nmol/l	6.02	4.58	7.46	Abbott Alinity i
	ng/ml	2.65	2.02	3.28	
Free T3	nmol/l	4.91	3.73	6.09	Roche Folate 07027290 e801
	ng/ml	2.17	1.64	2.70	
	pmol/l	3.01	2.26	3.76	Abbott Architect, 2 point calibration
	ng/dl	0.196	0.147	0.245	
	pg/ml	1.96	1.47	2.45	
	pmol/l	3.30	2.48	4.13	BioMerieux Vidas
	ng/dl	0.215	0.161	0.269	
	pg/ml	2.15	1.61	2.69	
	pmol/l	4.14	3.11	5.18	Siemens Centaur XP/XPT/Classic
	ng/dl	0.269	0.202	0.336	
	pg/ml	2.70	2.02	3.38	
	pmol/l	3.61	2.71	4.51	Siemens Immulite 2000/2500
	ng/dl	0.235	0.176	0.294	
	pg/ml	2.35	1.76	2.94	
	pmol/l	3.30	2.48	4.13	Siemens Immulite 1000
	ng/dl	0.215	0.161	0.269	
	pg/ml	2.15	1.61	2.69	
	pmol/l	3.65	2.74	4.56	Beckman Dxl800
	ng/dl	0.237	0.178	0.296	
	pg/ml	2.38	1.78	2.98	
	pmol/l	4.43	3.32	5.54	Roche Elecsys
	ng/dl	0.288	0.216	0.360	
	pg/ml	2.88	2.16	3.60	
	pmol/l	3.09	2.32	3.86	Diasorin Liaison
	ng/dl	0.201	0.151	0.251	
	pg/ml	2.01	1.51	2.51	
	pmol/l	3.75	2.81	4.69	Beckman Access
	ng/dl	0.244	0.183	0.305	
	pg/ml	2.44	1.83	3.05	
	pmol/l	3.40	2.55	4.25	Tosoh Series
	ng/dl	0.221	0.166	0.276	
	pg/ml	2.21	1.66	2.76	
	pmol/l	7.96	5.97	9.95	Vitros ECI
	ng/dl	0.517	0.388	0.646	
	pg/ml	5.18	3.89	6.47	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	4.51	3.38	5.64	Roche Cobas 4000/E411
	ng/dl	0.293	0.220	0.366	
	pg/ml	2.94	2.20	3.68	
	pmol/l	4.40	3.30	5.50	Roche Cobas e601/602
	ng/dl	0.286	0.215	0.357	
	pg/ml	2.86	2.15	3.57	
	pmol/l	4.36	3.27	5.45	Siemens Centaur CP
	ng/dl	0.283	0.213	0.353	
	pg/ml	2.84	2.13	3.55	
	pmol/l	3.92	2.94	4.90	Mindray CL-2000i
	ng/dl	0.255	0.191	0.319	
	pg/ml	2.55	1.91	3.19	
	pmol/l	3.59	2.69	4.49	Sysmex HISCL Series
	ng/dl	0.233	0.175	0.291	
	pg/ml	2.34	1.75	2.93	
	pmol/l	3.39	2.54	4.24	Diasorin Liaison XL
	ng/dl	0.220	0.165	0.275	
	pg/ml	2.21	1.65	2.77	
	pmol/l	4.44	3.33	5.55	Siemens Atellica IM
	ng/dl	0.289	0.216	0.362	
	pg/ml	2.89	2.17	3.61	
	pmol/l	3.01	2.26	3.76	Abbott Alinity, 2 point cal
	ng/dl	0.196	0.147	0.245	
	pg/ml	1.96	1.47	2.45	
	pmol/l	2.92	2.19	3.65	Abbott Architect, 6 point calibration
	ng/dl	0.190	0.142	0.238	
	pg/ml	1.90	1.43	2.37	
	pmol/l	4.30	3.23	5.38	Roche Cobas e402/e801
	ng/dl	0.280	0.210	0.350	
	pg/ml	2.80	2.10	3.50	
	pmol/l	2.64	1.98	3.30	Tosoh AIA-CL Series
	ng/dl	0.172	0.129	0.215	
	pg/ml	1.72	1.29	2.15	
	pmol/l	3.08	2.31	3.85	Abbott Alinity, 6 point cal
	ng/dl	0.200	0.150	0.250	
	pg/ml	2.01	1.50	2.52	
Free T4	pmol/l	9.70	7.28	12.1	Abbott Architect
	ng/dl	0.757	0.568	0.946	
	pg/ml	7.57	5.68	9.46	
	pmol/l	8.82	6.62	11.0	Siemens Centaur XP/XPT/Classic
	ng/dl	0.688	0.516	0.860	
	pg/ml	6.88	5.16	8.60	
	pmol/l	12.0	9.00	15.0	CIS RIA Coated tube
	ng/dl	0.936	0.702	1.17	
	pg/ml	9.36	7.02	11.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	13.7	10.3	17.1	Siemens Immulite 2000/2500
	ng/dl	1.07	0.803	1.34	
	pg/ml	10.7	8.03	13.4	
	pmol/l	13.9	10.4	17.4	Siemens Immulite 1000
	ng/dl	1.08	0.811	1.35	
	pg/ml	10.8	8.11	13.5	
	pmol/l	9.61	7.21	12.0	Beckman Dxl800
	ng/dl	0.750	0.562	0.938	
	pg/ml	7.50	5.62	9.38	
	pmol/l	13.0	9.75	16.3	Roche Elecsys
	ng/dl	1.01	0.761	1.26	
	pg/ml	10.1	7.61	12.6	
	pmol/l	12.3	9.23	15.4	Diasorin Liaison
	ng/dl	0.959	0.720	1.20	
	pg/ml	9.59	7.20	12.0	
	pmol/l	9.91	7.43	12.4	Beckman Access
	ng/dl	0.773	0.580	0.966	
	pg/ml	7.73	5.80	9.66	
	pmol/l	10.6	7.95	13.3	Tosoh Series
	ng/dl	0.827	0.620	1.03	
	pg/ml	8.27	6.20	10.3	
	pmol/l	20.1	15.1	25.1	Vitros ECI
	ng/dl	1.57	1.18	1.96	
	pg/ml	15.7	11.8	19.6	
	pmol/l	10.0	7.50	12.5	BioMerieux Vidas
	ng/dl	0.780	0.585	0.975	
	pg/ml	7.80	5.85	9.75	
	pmol/l	13.3	9.98	16.6	Roche Cobas e601/602
	ng/dl	1.04	0.778	1.30	
	pg/ml	10.4	7.78	13.0	
	pmol/l	12.0	9.00	15.0	Immunotech IRMA
	ng/dl	0.936	0.702	1.17	
	pg/ml	9.36	7.02	11.7	
	pmol/l	13.4	10.1	16.8	Roche Cobas 4000/E411
	ng/dl	1.05	0.788	1.31	
	pg/ml	10.5	7.88	13.1	
	pmol/l	10.7	8.03	13.4	Biomerieux Vidas FT4N Kit
	ng/dl	0.835	0.626	1.04	
	pg/ml	8.35	6.26	10.4	
	pmol/l	9.18	6.89	11.5	Siemens Centaur CP
	ng/dl	0.716	0.537	0.895	
	pg/ml	7.16	5.37	8.95	
	pmol/l	11.3	8.48	14.1	Mindray CL-2000i
	ng/dl	0.881	0.661	1.10	
	pg/ml	8.81	6.61	11.0	
	pmol/l	10.6	7.95	13.3	Sysmex HISCL Series
	ng/dl	0.827	0.620	1.03	
	pg/ml	8.27	6.20	10.3	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	11.6	8.70	14.5	Diasorin Liaison XL
	ng/dl	0.905	0.679	1.13	
	pg/ml	9.05	6.79	11.3	
	pmol/l	9.58	7.19	12.0	Siemens Atellica IM
	ng/dl	0.747	0.561	0.933	
	pg/ml	7.47	5.61	9.33	
	pmol/l	9.36	7.02	11.7	Abbott Alinity i
	ng/dl	0.730	0.548	0.912	
	pg/ml	7.30	5.48	9.12	
	pmol/l	13.1	9.83	16.4	Roche Cobas e402/e801
	ng/dl	1.02	0.767	1.27	
	pg/ml	10.2	7.67	12.7	
FSH	pmol/l	11.0	8.25	13.8	Tosoh AIA-CL Series
	ng/dl	0.858	0.644	1.07	
	pg/ml	8.58	6.44	10.7	
	mU/ml	6.60	5.28	7.92	Abbott Architect
	mU/ml	6.60	5.28	7.92	BioMerieux Vidas
	mU/ml	7.90	6.32	9.48	Siemens Centaur XP/XPT/Classic
	mU/ml	7.21	5.77	8.65	Siemens Immulite 2000/2500
	mU/ml	7.91	6.33	9.49	Siemens Immulite 1000
	mU/ml	7.60	6.08	9.12	Beckman Dxl800
	mU/ml	6.95	5.56	8.34	Roche/BM Elecsys
	mU/ml	8.76	7.01	10.5	Diasorin Liaison
	mU/ml	7.52	6.02	9.02	Beckman Access
	mU/ml	8.74	6.99	10.5	Tosoh Series
	mU/ml	5.54	4.43	6.65	Vitros ECI
	mU/ml	7.32	5.86	8.78	Roche Cobas 4000/E411
	mU/ml	6.62	5.30	7.94	Roche Cobas e601/602
	mU/ml	6.91	5.53	8.29	Siemens Centaur CP
	mU/ml	8.11	6.49	9.73	Mindray CL-2000i
Gentamicin	mU/ml	9.63	7.70	11.6	Diasorin Liaison XL
	mU/ml	7.03	5.62	8.44	Siemens Atellica IM
	mU/ml	6.94	5.55	8.33	Abbott Alinity i
	mU/ml	6.90	5.52	8.28	Roche Cobas e402/e801
	µmol/l	4.88	3.90	5.86	Roche Integra
	µg/ml	2.33	1.86	2.80	
	µmol/l	4.93	3.94	5.92	Siemens Centaur XP/XPT/Classic
	µg/ml	2.36	1.88	2.84	
	µmol/l	4.84	3.87	5.81	Abbott Architect (CMIA)
	µg/ml	2.31	1.85	2.77	
	µmol/l	3.77	3.02	4.52	Roche Cobas 6000/8000 Online KIMS
	µg/ml	1.80	1.44	2.16	
	µmol/l	4.20	3.36	5.04	Roche Cobas 6000/8000 CEDIA
	µg/ml	2.01	1.61	2.41	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Gentamicin	µmol/l	5.74	4.59	6.89	EMIT
	µg/ml	2.74	2.19	3.29	
	µmol/l	5.01	4.01	6.01	Siemens Atellica CH
	µg/ml	2.39	1.92	2.86	
	µmol/l	5.08	4.06	6.10	Abbott Alinity (PETINA)
	µg/ml	2.43	1.94	2.92	
Growth Hormone (GH)	µmol/l	4.85	3.88	5.82	Gravimetric
	µg/ml	2.32	1.85	2.78	
	µU/ml	4.52	3.62	5.42	Siemens Immulite 2000/2500
	ng/ml	1.51	1.21	1.81	
	µU/ml	4.44	3.55	5.33	Siemens Immulite 1000
	ng/ml	1.48	1.18	1.78	
	µU/ml	3.07	2.46	3.68	Beckman Dxl800
	ng/ml	1.02	0.819	1.22	
	µU/ml	3.37	2.70	4.04	Beckman Access
	ng/ml	1.12	0.899	1.34	
	µU/ml	4.13	3.30	4.96	Tosoh Series
	ng/ml	1.38	1.10	1.66	
	µU/ml	3.33	2.66	4.00	Diasorin Liaison
	ng/ml	1.11	0.886	1.33	
	µU/ml	3.98	3.18	4.78	Roche Cobas 4000/E411
	ng/ml	1.33	1.06	1.60	
	µU/ml	4.20	3.36	5.04	Roche Cobas e601/602
	ng/ml	1.40	1.12	1.68	
	µU/ml	3.06	2.45	3.67	Diasorin Liaison XL
	ng/ml	1.02	0.816	1.22	
Immunoglobulin E	µU/ml	4.04	3.23	4.85	Roche Cobas e402/e801
	ng/ml	1.35	1.08	1.62	
	µU/ml	3.37	2.70	4.04	Tosoh AIA-CL Series
	ng/ml	1.12	0.899	1.34	
	KIU/l = IU/ml	217	174	260	Abbott Architect
	KIU/l = IU/ml	205	164	246	BioMerieux Vidas
	KIU/l = IU/ml	236	189	283	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	241	193	289	Siemens Immulite 2000/2500
	KIU/l = IU/ml	250	200	300	Siemens Immulite 1000
	KIU/l = IU/ml	227	182	272	Roche Elecsys
	KIU/l = IU/ml	214	171	257	Pharmacia Unicap
	KIU/l = IU/ml	206	165	247	Tosoh Series
	KIU/l = IU/ml	234	187	281	Roche Cobas 4000/E411
	KIU/l = IU/ml	230	184	276	Roche Cobas e601/602
Insulin	KIU/l = IU/ml	201	161	241	Siemens Centaur CP
	KIU/l = IU/ml	227	182	272	Siemens Atellica IM
	KIU/l = IU/ml	239	191	287	Roche Cobas e402/e801
	KIU/l = IU/ml	217	174	260	Abbott Alinity
	mU/l	1.11	0.833	1.39	Siemens Centaur XP/XPT/Classic
	µU/ml	1.11	0.833	1.39	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Insulin	mU/l	1.47	1.10	1.84	Roche Elecsys
	µU/ml	1.47	1.10	1.84	
	mU/l	0.723	0.542	0.904	Beckman Access
	µU/ml	0.723	0.542	0.904	
	mU/l	1.01	0.758	1.26	Abbott Architect
	µU/ml	1.01	0.758	1.26	
	mU/l	1.91	1.43	2.39	Tosoh Series
	µU/ml	1.91	1.43	2.39	
	mU/l	1.32	0.990	1.65	Roche Cobas 4000/E411
	µU/ml	1.32	0.990	1.65	
	mU/l	0.726	0.545	0.908	Beckman Dxl 600/800
	µU/ml	0.726	0.545	0.907	
	mU/l	1.10	0.825	1.38	Diasorin Liaison
	µU/ml	1.10	0.825	1.38	
	mU/l	1.47	1.10	1.84	Roche Cobas 6000/8000
	µU/ml	1.47	1.10	1.84	
	mU/l	1.74	1.31	2.18	Mindray CL Series
	µU/ml	1.74	1.31	2.17	
	mU/l	1.27	0.953	1.59	Siemens Atellica IM
	µU/ml	1.27	0.953	1.59	
	mU/l	2.14	1.61	2.68	Tosoh AIA-CL Series
	µU/ml	2.14	1.61	2.67	
Luteinising Hormone (LH)	mU/ml	2.13	1.70	2.56	Abbott Architect
	mU/ml	2.53	2.02	3.04	BioMerieux Vidas
	mU/ml	2.55	2.04	3.06	Siemens Centaur XP/XPT/Classic
	mU/ml	4.75	3.80	5.70	Siemens Immulite 2000
	mU/ml	5.46	4.37	6.55	Siemens Immulite 1000
	mU/ml	2.01	1.61	2.41	Beckman Dxl800
	mU/ml	3.48	2.78	4.18	Roche Elecsys
	mU/ml	3.07	2.46	3.68	Diasorin Liaison
	mU/ml	2.09	1.67	2.51	Beckman Access
	mU/ml	2.38	1.90	2.86	Tosoh Series
	mU/ml	4.82	3.86	5.78	Vitros ECI
	mU/ml	3.52	2.82	4.22	Roche Cobas 4000/E411
	mU/ml	3.51	2.81	4.21	Roche Cobas e601/602
	mU/ml	2.49	1.99	2.99	Siemens Centaur CP
	mU/ml	3.41	2.73	4.09	Mindray CL-2000i
	mU/ml	3.45	2.76	4.14	Diasorin Liaison XL
	mU/ml	2.50	2.00	3.00	Siemens Atellica IM
	mU/ml	2.05	1.64	2.46	Abbott Alinity i
	mU/ml	3.58	2.86	4.30	Roche Cobas e402/e801
Oestradiol	pmol/l	190	152	228	Abbott Architect
	pg/ml	51.7	41.3	62.1	
	pmol/l	229	183	275	BioMerieux Vidas
	pg/ml	62.3	49.8	74.8	
	pmol/l	147	118	176	Siemens Centaur XP/XPT/Classic
	pg/ml	40.0	32.1	47.9	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	117	93.6	140	Beckman Dxl800
	pg/ml	31.8	25.5	38.1	
	pmol/l	167	134	200	Roche Elecsys (Estradiol II)
	pg/ml	45.4	36.4	54.4	
	pmol/l	119	95.2	143	Beckman Access
	pg/ml	32.4	25.9	38.9	
	pmol/l	96.6	77.3	116	Vitros ECI
	pg/ml	26.3	21.0	31.6	
	pmol/l	161	129	193	Roche Cobas e601/602 (Estradiol II)
	pg/ml	43.8	35.1	52.5	
	pmol/l	163	130	196	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	44.3	35.4	53.2	
	pmol/l	155	124	186	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	42.2	33.7	50.7	
	pmol/l	150	120	180	Siemens Centaur CP
	pg/ml	40.8	32.6	49.0	
	pmol/l	169	135	203	Roche Cobas e601/602 (Estradiol III)
	pg/ml	46.0	36.7	55.3	
	pmol/l	146	117	175	Roche Elecsys (Estradiol III)
	pg/ml	39.7	31.8	47.6	
	pmol/l	163	130	196	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	44.3	35.4	53.2	
	pmol/l	114	91.2	137	Mindray CL Series
	pg/ml	31.0	24.8	37.2	
	pmol/l	92.2	73.8	111	Diasorin Liaison XL
	pg/ml	25.1	20.1	30.1	
	pmol/l	135	108	162	Beckman Access / Access 2 Sensitive B84493
	pg/ml	36.7	29.4	44.0	
	pmol/l	116	92.8	139	Beckman Dxl600/800 Sensitive B84493
	pg/ml	31.6	25.2	38.0	
	pmol/l	151	121	181	Siemens Atellica IM
	pg/ml	41.1	32.9	49.3	
	pmol/l	187	150	224	Abbott Alinity i
	pg/ml	50.9	40.8	61.0	
	pmol/l	163	130	196	Roche Cobas e801 (Estradiol III)
	pg/ml	44.3	35.4	53.2	
Paracetamol	mmol/l	0.157	0.126	0.188	Abbott Architect
	mg/l	23.8	19.1	28.5	
	mmol/l	0.152	0.122	0.182	Roche Cobas c501/502/503/701/702
	mg/l	23.0	18.5	27.5	
	mmol/l	0.161	0.129	0.193	Beckman AU Instruments
	mg/l	24.4	19.5	29.3	
	mmol/l	0.155	0.124	0.186	EMIT
	mg/l	23.5	18.8	28.2	
	mmol/l	0.160	0.128	0.192	Abbott Alinity
	mg/l	24.2	19.4	29.0	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Paracetamol	mmol/l	0.166	0.130	0.200	Gravimetric
	mg/l	25.1	19.7	30.3	
Phenobarbital	µmol/l	35.9	28.7	43.1	Abbott Architect (CMIA)
	µg/ml	8.33	6.66	10.0	
	µmol/l	32.5	26.0	39.0	Roche Cobas e601/602/801
	µg/ml	7.54	6.03	9.05	
	µmol/l	36.6	29.3	43.9	Siemens Immulite 2000/2500
	µg/ml	8.49	6.80	10.2	
	µmol/l	30.3	24.2	36.4	Beckman AU400/600/640/2700/5400
	µg/ml	7.03	5.61	8.45	
	µmol/l	46.5	37.2	55.8	Siemens Centaur XP/XPT/Classic
	µg/ml	10.8	8.63	13.0	
	µmol/l	34.5	27.6	41.4	Roche Integra
	µg/ml	8.00	6.40	9.60	
	µmol/l	32.0	25.6	38.4	Roche Cobas C303/501/502/503/701
	µg/ml	7.42	5.94	8.90	
	µmol/l	33.8	27.0	40.6	Abbott Architect (PETINA)
	µg/ml	7.84	6.26	9.42	
	µmol/l	35.0	28.0	42.0	Siemens Atellica CH
	µg/ml	8.12	6.50	9.74	
	µmol/l	29.8	23.8	35.8	Abbott Alinity (PETINA)
	µg/ml	6.91	5.52	8.30	
	µmol/l	34.5	27.6	41.4	Gravimetric
	µg/ml	8.00	6.40	9.60	
Phenytoin	µmol/l	19.5	15.6	23.4	Abbott Architect
	µg/ml	4.92	3.94	5.90	
	µmol/l	19.5	15.6	23.4	Siemens Centaur XP/XPT/Classic
	µg/ml	4.92	3.94	5.90	
	µmol/l	17.5	14.0	21.0	Siemens Dimension
	µg/ml	4.42	3.54	5.30	
	µmol/l	19.2	15.4	23.0	Siemens Immulite 2000/2500
	µg/ml	4.85	3.89	5.81	
	µmol/l	18.5	14.8	22.2	Roche Cobas 6000/8000
	µg/ml	4.67	3.74	5.60	
	µmol/l	19.6	15.7	23.5	Beckman DxC
	µg/ml	4.95	3.96	5.94	
	µmol/l	18.3	14.6	22.0	Beckman AU Instruments
	µg/ml	4.62	3.69	5.55	
	µmol/l	19.3	15.4	23.2	EMIT
	µg/ml	4.87	3.89	5.85	
	µmol/l	16.8	13.4	20.2	Siemens Atellica CH
	µg/ml	4.24	3.38	5.10	
	µmol/l	19.9	15.9	23.9	Abbott Alinity
	µg/ml	5.02	4.01	6.03	
	µmol/l	20.2	16.2	24.2	Gravimetric
	µg/ml	5.10	4.09	6.11	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Primidone	µmol/l	12.3	9.84	14.8	Gravimetric
	µg/ml	2.69	2.15	3.23	
Progesterone	nmol/l	3.14	2.51	3.77	Abbott Architect
	ng/ml	0.983	0.786	1.18	
	nmol/l	4.37	3.50	5.24	BioMerieux Vidas
	ng/ml	1.37	1.10	1.64	
	nmol/l	2.45	1.96	2.94	Siemens Centaur XP/XPT/Classic
	ng/ml	0.767	0.613	0.921	
	nmol/l	3.19	2.55	3.83	Siemens Immulite 2000/2500
	ng/ml	0.998	0.798	1.20	
	nmol/l	3.07	2.46	3.68	Siemens Immulite 1000
	ng/ml	0.961	0.770	1.15	
	nmol/l	2.85	2.28	3.42	Beckman Dxl Prog Cal 33555
	ng/ml	0.892	0.714	1.07	
	nmol/l	3.29	2.63	3.95	Roche Elecsys (Prog. II)
	ng/ml	1.03	0.823	1.24	
	nmol/l	2.91	2.33	3.49	Beckman Access Prog Cal 33555
	ng/ml	0.911	0.729	1.09	
	nmol/l	3.09	2.47	3.71	Vitros ECi
	ng/ml	0.967	0.773	1.16	
	nmol/l	3.32	2.66	3.98	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	1.04	0.833	1.25	
	nmol/l	3.48	2.78	4.18	Roche Cobas e601/602 (Prog. II)
	ng/ml	1.09	0.870	1.31	
	nmol/l	2.42	1.94	2.90	Siemens Centaur CP
	ng/ml	0.757	0.607	0.907	
	nmol/l	2.65	2.12	3.18	Mindray CL-2000i
	ng/ml	0.829	0.664	0.994	
	nmol/l	3.47	2.78	4.16	Roche Cobas e601/602 (Prog. III)
	ng/ml	1.09	0.870	1.31	
	nmol/l	3.57	2.86	4.28	Roche Elecsys (Prog. III)
	ng/ml	1.12	0.895	1.35	
	nmol/l	3.42	2.74	4.10	Roche Cobas 4000/e411 (Prog. III)
	ng/ml	1.07	0.858	1.28	
	nmol/l	1.91	1.53	2.29	Diasorin Liaison XL
	ng/ml	0.598	0.479	0.717	
	nmol/l	2.88	2.30	3.46	Abbott Alinity i
	ng/ml	0.901	0.720	1.08	
	nmol/l	3.26	2.61	3.91	Roche Cobas e801 (Prog. III)
	ng/ml	1.02	0.817	1.22	
	nmol/l	3.98	3.18	4.78	Tosoh AIA-CL Series
	ng/ml	1.25	0.995	1.51	
Prolactin	µU/ml	168	134	202	Abbott Architect
	µU/ml	143	114	172	BioMerieux Vidas
	µU/ml	146	117	175	Siemens Centaur XP/XPT/Classic

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Prolactin	µU/ml	150	120	180	Siemens Immulite 2000/2500
	µU/ml	165	132	198	Siemens Immulite 1000
	µU/ml	139	111	167	Beckman Dxl800
	µU/ml	128	102	154	Roche Elecsys
	µU/ml	129	103	155	Diasorin Liaison
	µU/ml	143	114	172	Beckman Access
	µU/ml	161	129	193	Tosoh Series
	µU/ml	173	138	208	Vitros Eci
	µU/ml	125	100	150	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	156	125	187	Immunotech IRMA
	µU/ml	130	104	156	Roche Cobas 4000/E411
	µU/ml	125	100	150	Roche Cobas e601/602
	µU/ml	141	113	169	Siemens Centaur CP
	µU/ml	200	160	240	Mindray CL-2000i
	µU/ml	160	128	192	Diasorin Liaison XL
	µU/ml	145	116	174	Siemens Atellica IM
	µU/ml	170	136	204	Abbott Alinity i
	µU/ml	125	100	150	Roche Cobas e801 PRL II
PSA Free	ng/ml = µg/l	1.85	1.39	2.31	Abbott Architect
	ng/ml = µg/l	2.07	1.55	2.59	BioMerieux Vidas
	ng/ml = µg/l	1.60	1.20	2.00	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.68	1.26	2.10	Siemens Immulite 2000/2500
	ng/ml = µg/l	1.79	1.34	2.24	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	1.24	0.930	1.55	Roche Elecsys
	ng/ml = µg/l	1.55	1.16	1.94	Diasorin Liaison
	ng/ml = µg/l	1.84	1.38	2.30	Beckman Access standardised to Hybritech
	ng/ml = µg/l	1.26	0.945	1.58	Tosoh Series
	ng/ml = µg/l	1.20	0.900	1.50	Roche Cobas 4000/E411
	ng/ml = µg/l	1.22	0.915	1.53	Roche Cobas e601/602
	ng/ml = µg/l	1.69	1.27	2.11	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.72	1.29	2.15	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	1.06	0.795	1.33	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.63	1.22	2.04	Diasorin Liaison XL
	ng/ml = µg/l	1.65	1.24	2.06	Siemens Atellica IM
	ng/ml = µg/l	1.87	1.40	2.34	Abbott Alinity i
	ng/ml = µg/l	1.19	0.893	1.49	Roche Cobas e402/e801
PSA Total	ng/ml = µg/l	1.21	0.908	1.51	Abbott Architect
	ng/ml = µg/l	1.99	1.49	2.49	BioMerieux Vidas
	ng/ml = µg/l	1.97	1.48	2.46	bioMerieux VIDAS TPSA
	ng/ml = µg/l	1.54	1.16	1.93	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.77	1.33	2.21	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	1.78	1.34	2.23	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	2.09	1.57	2.61	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	1.56	1.17	1.95	Beckman Dxl standardised to Hybritech
	ng/ml = µg/l	1.34	1.01	1.68	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.54	1.16	1.93	Roche Elecsys

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
PSA Total	ng/ml = µg/l	1.46	1.10	1.83	Diasorin Liaison
	ng/ml = µg/l	1.62	1.22	2.03	Beckman Access standardised to Hybritech
	ng/ml = µg/l	1.62	1.22	2.03	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	1.33	0.998	1.66	Tosoh Series
	ng/ml = µg/l	1.54	1.16	1.93	Vitros ECI
	ng/ml = µg/l	2.22	1.67	2.78	CIS RIA Coated tube
	ng/ml = µg/l	1.56	1.17	1.95	Roche Cobas 4000/E411
	ng/ml = µg/l	1.60	1.20	2.00	Roche Cobas e601/602
	ng/ml = µg/l	1.53	1.15	1.91	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.39	1.04	1.74	Siemens Centaur CP
	ng/ml = µg/l	1.51	1.13	1.89	Diasorin Liaison XL
	ng/ml = µg/l	1.53	1.15	1.91	Siemens Atellica IM
	ng/ml = µg/l	1.25	0.938	1.56	Abbott Alinity i
	ng/ml = µg/l	1.55	1.16	1.94	Roche Cobas e402/e801
	ng/ml = µg/l	1.55	1.16	1.94	Roche Cobas e402/e801
Salicylic Acid	mmol/l	0.267	0.214	0.320	Roche Cobas c501/502/503
	mg/dl	3.69	2.96	4.42	
	mmol/l	0.286	0.230	0.340	Gravimetric
	mg/dl	3.95	3.18	4.70	
SHBG	nmol/l	12.2	9.76	14.6	Siemens Immulite 2000/2500
	nmol/l	12.3	9.84	14.8	Abbott Architect
	nmol/l	11.8	9.44	14.2	Beckman Access
	nmol/l	12.0	9.60	14.4	Beckman Dxl800
	nmol/l	10.4	8.32	12.5	Siemens Atellica IM
	nmol/l	11.6	9.28	13.9	Roche analysers - 413417/15
	nmol/l	11.3	9.04	13.6	Roche Cobas e801 - 413429
	nmol/l	12.4	9.92	14.9	Abbott Alinity i
T Uptake	%U	34.1	28.0	40.2	Siemens Immulite 2000
Testosterone	nmol/l	1.98	1.58	2.38	Abbott Architect
	ng/ml	0.570	0.455	0.685	
	ng/dl	57.0	45.5	68.5	
	nmol/l	1.03	0.824	1.24	BioMerieux Vidas
	ng/ml	0.297	0.237	0.357	
	ng/dl	29.7	23.7	35.7	
	nmol/l	1.22	0.976	1.46	Siemens Centaur XP/XPT/Classic
	ng/ml	0.351	0.281	0.421	
	ng/dl	35.1	28.1	42.1	
	nmol/l	1.59	1.27	1.91	CIS RIA Coated tube
	ng/ml	0.458	0.366	0.550	
	ng/dl	45.8	36.6	55.0	
	nmol/l	1.41	1.13	1.69	Siemens Immulite 1000
	ng/ml	0.406	0.325	0.487	
	ng/dl	40.6	32.5	48.7	
	nmol/l	1.68	1.34	2.02	Beckman Dxl800
	ng/ml	0.484	0.386	0.582	
	ng/dl	48.4	38.6	58.2	
	nmol/l	1.84	1.47	2.21	Beckman Access
	ng/ml	0.530	0.423	0.637	
	ng/dl	53.0	42.3	63.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	0.983	0.786	1.18	Tosoh Series
	ng/ml	0.283	0.226	0.340	
	ng/dl	28.3	22.6	34.0	
	nmol/l	1.03	0.824	1.24	Vitros ECI
	ng/ml	0.297	0.237	0.357	
	ng/dl	29.7	23.7	35.7	
	nmol/l	1.78	1.42	2.14	Roche Cobas e601/602 Test II
	ng/ml	0.513	0.409	0.617	
	ng/dl	51.3	40.9	61.7	
	nmol/l	1.86	1.49	2.23	Roche Elecsys Test II
	ng/ml	0.536	0.429	0.643	
	ng/dl	53.6	42.9	64.3	
	nmol/l	1.80	1.44	2.16	Roche Cobas 4000/e411 Test II
	ng/ml	0.518	0.415	0.621	
	ng/dl	51.8	41.5	62.1	
	nmol/l	2.00	1.60	2.40	Abbott Architect 2nd Generation
	ng/ml	0.576	0.461	0.691	
	ng/dl	57.6	46.1	69.1	
	nmol/l	1.19	0.952	1.43	Siemens Centaur CP
	ng/ml	0.343	0.274	0.412	
	ng/dl	34.3	27.4	41.2	
	nmol/l	1.03	0.824	1.24	BioMerieux Vidas Testosterone II
	ng/ml	0.297	0.237	0.357	
	ng/dl	29.7	23.7	35.7	
	nmol/l	1.22	0.976	1.46	Siemens Centaur TST II
	ng/ml	0.351	0.281	0.421	
	ng/dl	35.1	28.1	42.1	
	nmol/l	0.764	0.611	0.917	Diasorin Liaison XL
	ng/ml	0.220	0.176	0.264	
	ng/dl	22.0	17.6	26.4	
	nmol/l	1.15	0.920	1.38	Siemens Atellica IM
	ng/ml	0.331	0.265	0.397	
	ng/dl	33.1	26.5	39.7	
	nmol/l	1.78	1.42	2.14	Roche Cobas e801 Test II
	ng/ml	0.513	0.409	0.617	
	ng/dl	51.3	40.9	61.7	
	nmol/l	1.92	1.54	2.30	Tosoh AIA-CL Series
	ng/ml	0.553	0.444	0.662	
	ng/dl	55.3	44.4	66.2	
	nmol/l	1.93	1.54	2.32	Abbott Alinity i
	ng/ml	0.556	0.444	0.668	
	ng/dl	55.6	44.4	66.8	
Theophylline	µmol/l	32.3	25.8	38.8	Siemens Centaur XP/XPT/Classic
	µg/ml	5.82	4.65	6.99	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Theophylline	μmol/l	28.6	22.9	34.3	Roche Integra
	μg/ml	5.15	4.13	6.17	
	μmol/l	24.6	19.7	29.5	Abbott Architect (CMIA)
	μg/ml	4.43	3.55	5.31	
	μmol/l	26.8	21.4	32.2	Roche Cobas 6000/8000
	μg/ml	4.83	3.86	5.80	
	μmol/l	25.4	20.3	30.5	Beckman AU400/600/640/2700/5400
	μg/ml	4.58	3.66	5.50	
	μmol/l	28.3	22.6	34.0	Gravimetric
	μg/ml	5.10	4.07	6.13	
Thyroglobulin	ng/ml	2.08	1.56	2.60	Roche Elecsys
	ng/ml	1.71	1.28	2.14	Beckman Dxl800
	ng/ml	2.16	1.62	2.70	Roche Cobas 4000/E411
	ng/ml	2.10	1.58	2.63	Roche Cobas e601/602
	ng/ml	1.84	1.38	2.30	Beckman Access
	ng/ml	2.17	1.63	2.71	Abbott Architect 2000i
	ng/ml	2.45	1.84	3.06	Tosoh Series
	ng/ml	2.15	1.61	2.69	Roche Cobas e601/602 Tg II
	ng/ml	2.22	1.67	2.78	Roche Elecsys TGII
	ng/ml	2.15	1.61	2.69	Roche Cobas 4000/E411 TGII
	ng/ml	0.717	0.538	0.896	Diasorin Liaison XL
	ng/ml	2.09	1.57	2.61	Roche Cobas e801 Tg II
	ng/ml	0.645	0.484	0.806	DiaSorin Liaison TG II Gen
	ng/ml	0.756	0.567	0.945	DiaSorin Liaison XL TG II Gen
	ng/ml	2.09	1.57	2.61	Abbott Alinity i
Thyroid Stimulating Hormone	μU/ml = mIU/l	0.065	0.052	0.078	Abbott Architect
	μU/ml = mIU/l	0.050	0.040	0.060	bioMerieux VIDAS TSH
	μU/ml = mIU/l	0.041	0.033	0.049	bioMerieux VIDAS TSH3 Ultrasensitive
	μU/ml = mIU/l	0.073	0.058	0.088	Siemens Centaur XP/XPT/Classic
	μU/ml = mIU/l	0.071	0.057	0.085	Siemens Centaur XP/XPT/Classic 3rd Generation
	μU/ml = mIU/l	0.061	0.049	0.073	Beckman Dxl800 Fast TSH
	μU/ml = mIU/l	0.060	0.048	0.072	Beckman Dxl800
	μU/ml = mIU/l	0.112	0.090	0.134	Roche Elecsys
	μU/ml = mIU/l	0.112	0.090	0.134	Diasorin Liaison
	μU/ml = mIU/l	0.065	0.052	0.078	Beckman Access Fast TSH
	μU/ml = mIU/l	0.062	0.050	0.074	Beckman Access hyperTSH 3rd Generation
	μU/ml = mIU/l	0.092	0.074	0.110	Tosoh Series
	μU/ml = mIU/l	0.055	0.044	0.066	Vitros ECI
	μU/ml = mIU/l	0.104	0.083	0.125	Roche Cobas 4000/E411
	μU/ml = mIU/l	0.104	0.083	0.125	Roche Cobas e601/602
	μU/ml = mIU/l	0.060	0.048	0.072	Beckman Dxl800 Hyper TSH
	μU/ml = mIU/l	0.069	0.055	0.083	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	μU/ml = mIU/l	0.068	0.054	0.082	Siemens Centaur CP
	μU/ml = mIU/l	0.064	0.051	0.077	Siemens Centaur CP TSH3-Ultra
	μU/ml = mIU/l	0.106	0.085	0.127	Mindray CL-2000i
	μU/ml = mIU/l	0.062	0.050	0.074	Beckman Dxl 600/800 Access (3rd IS)

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.115	0.092	0.138	Diasorin Liaison XL
	µU/ml = mIU/l	0.072	0.058	0.086	Siemens Atellica IM
	µU/ml = mIU/l	0.067	0.054	0.080	Abbott Alinity i
	µU/ml = mIU/l	0.093	0.074	0.112	Roche Cobas e402/e801
Tobramycin	µmol/l	4.17	3.34	5.00	Gravimetric
	µg/ml	1.95	1.56	2.34	
Total Beta hCG	mU/ml=IU/l	11.2	8.96	13.4	Abbott Architect
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	6.06	4.85	7.27	BioMerieux Vidas
	IU/ml	0.006	0.005	0.007	
	mU/ml=IU/l	11.0	8.80	13.2	Siemens Centaur XP/XPT/Classic
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	9.08	7.26	10.9	Siemens Dimension
	IU/ml	0.009	0.007	0.011	
	mU/ml=IU/l	20.4	16.3	24.5	Siemens Immulite 2000
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	18.3	14.6	22.0	Siemens Immulite 1000
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	16.0	12.8	19.2	Beckman Dxl800
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	9.73	7.78	11.7	Diasorin Liaison
	IU/ml	0.010	0.008	0.012	
	mU/ml=IU/l	11.0	8.80	13.2	Roche Cobas Core EIA
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	15.7	12.6	18.8	Beckman Access
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	12.3	9.84	14.8	Tosoh Series
	IU/ml	0.012	0.010	0.014	
	mU/ml=IU/l	9.74	7.79	11.7	Vitros ECi
	IU/ml	0.010	0.008	0.012	
	mU/ml=IU/l	4.86	3.89	5.83	Roche hCG STAT (Intact)
	IU/ml	0.005	0.004	0.006	
	mU/ml=IU/l	11.1	8.88	13.3	Roche hCG+Beta
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	15.5	12.4	18.6	Beckman Access Total BhCG (5th IS)
	IU/ml	0.016	0.012	0.020	
	mU/ml=IU/l	16.2	13.0	19.4	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	9.57	7.66	11.5	Siemens Centaur CP
	IU/ml	0.010	0.008	0.012	
	mU/ml=IU/l	10.8	8.64	13.0	Diasorin Liaison XL
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	9.83	7.86	11.8	Siemens Atellica IM
	IU/ml	0.010	0.008	0.012	
	mU/ml=IU/l	11.4	9.12	13.7	Abbott Alinity i
	IU/ml	0.011	0.009	0.013	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	11.2	8.96	13.4	Roche hCG+Beta e801
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	15.3	12.2	18.4	Tosoh AIA-CL Series
	IU/ml	0.015	0.012	0.018	
Total T3	nmol/l	0.795	0.596	0.994	Abbott Architect
	ng/ml	0.518	0.388	0.648	
	ng/dl	51.8	38.8	64.8	
	nmol/l	0.634	0.476	0.793	BioMerieux Vidas
	ng/ml	0.413	0.310	0.516	
	ng/dl	41.3	31.0	51.6	
	nmol/l	0.734	0.551	0.918	Siemens Centaur XP/XPT/Classic
	ng/ml	0.478	0.359	0.597	
	ng/dl	47.8	35.9	59.7	
	nmol/l	0.620	0.465	0.775	Siemens Immulite 2000/2500
	ng/ml	0.404	0.303	0.505	
	ng/dl	40.4	30.3	50.5	
	nmol/l	0.635	0.476	0.794	Siemens Immulite 1000
	ng/ml	0.413	0.310	0.516	
	ng/dl	41.3	31.0	51.6	
	nmol/l	1.08	0.810	1.35	Beckman Dxl800
	ng/ml	0.703	0.527	0.879	
	ng/dl	70.3	52.7	87.9	
	nmol/l	1.44	1.08	1.80	Roche Elecsys
	ng/ml	0.937	0.703	1.17	
	ng/dl	93.7	70.3	117	
	nmol/l	1.11	0.833	1.39	Beckman Access
	ng/ml	0.723	0.542	0.904	
	ng/dl	72.3	54.2	90.4	
	nmol/l	0.746	0.560	0.933	Tosoh Series
	ng/ml	0.486	0.365	0.607	
	ng/dl	48.6	36.5	60.7	
	nmol/l	0.979	0.734	1.22	Vitros ECi
	ng/ml	0.637	0.478	0.796	
	ng/dl	63.7	47.8	79.6	
	nmol/l	0.538	0.404	0.673	CIS RIA Coated tube
	ng/ml	0.350	0.263	0.437	
	ng/dl	35.0	26.3	43.7	
	nmol/l	1.37	1.03	1.71	Roche Cobas 4000/E411
	ng/ml	0.892	0.671	1.11	
	ng/dl	89.2	67.1	111	
	nmol/l	0.739	0.554	0.924	Immunotech RIA
	ng/ml	0.481	0.361	0.601	
	ng/dl	48.1	36.1	60.1	
	nmol/l	1.34	1.01	1.68	Roche Cobas e601/602
	ng/ml	0.872	0.658	1.09	
	ng/dl	87.2	65.8	109	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	0.782	0.587	0.978	Mindray CL Series
	ng/ml	0.509	0.382	0.636	
	ng/dl	50.9	38.2	63.6	
	nmol/l	0.986	0.740	1.23	Diasorin Liaison XL
	ng/ml	0.642	0.482	0.802	
	ng/dl	64.2	48.2	80.2	
	nmol/l	0.804	0.603	1.01	Abbott Alinity i
	ng/ml	0.523	0.393	0.653	
	ng/dl	52.3	39.3	65.3	
	nmol/l	0.799	0.599	0.999	Siemens Atellica IM
	ng/ml	0.520	0.390	0.650	
	ng/dl	52.0	39.0	65.0	
	nmol/l	1.28	0.960	1.60	Roche Cobas e402/e801
	ng/ml	0.833	0.625	1.04	
	ng/dl	83.3	62.5	104	
	nmol/l	0.728	0.546	0.910	Tosoh AIA-CL Series
	ng/ml	0.474	0.355	0.593	
	ng/dl	47.4	35.5	59.3	
Total T4	nmol/l	34.9	26.2	43.6	Abbott Architect
	µg/dl	2.72	2.04	3.40	
	ng/ml	27.2	20.4	34.0	
	nmol/l	34.8	26.1	43.5	BioMerieux Vidas
	µg/dl	2.71	2.04	3.38	
	ng/ml	27.1	20.4	33.8	
	nmol/l	24.9	18.7	31.1	Siemens Centaur XP/XPT/Classic
	µg/dl	1.94	1.46	2.42	
	ng/ml	19.4	14.6	24.2	
	nmol/l	24.6	18.5	30.8	Siemens Immulite 2000/2500
	µg/dl	1.92	1.44	2.40	
	ng/ml	19.2	14.4	24.0	
	nmol/l	28.0	21.0	35.0	Siemens Immulite 1000
	µg/dl	2.18	1.64	2.72	
	ng/ml	21.8	16.4	27.2	
	nmol/l	26.0	19.5	32.5	Beckman Dxl800
	µg/dl	2.03	1.52	2.54	
	ng/ml	20.3	15.2	25.4	
	nmol/l	38.7	29.0	48.4	Roche Elecsys
	µg/dl	3.02	2.26	3.78	
	ng/ml	30.2	22.6	37.8	
	nmol/l	29.1	21.8	36.4	Beckman Access
	µg/dl	2.27	1.70	2.84	
	ng/ml	22.7	17.0	28.4	
	nmol/l	28.0	21.0	35.0	Tosoh Series
	µg/dl	2.18	1.64	2.72	
	ng/ml	21.8	16.4	27.2	
	nmol/l	26.2	19.7	32.8	Vitros ECI
	µg/dl	2.04	1.54	2.54	
	ng/ml	20.4	15.4	25.4	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	30.4	22.8	38.0	CIS RIA Coated tube
	µg/dl	2.37	1.78	2.96	
	ng/ml	23.7	17.8	29.6	
	nmol/l	38.8	29.1	48.5	Roche Cobas 4000/E411
	µg/dl	3.03	2.27	3.79	
	ng/ml	30.3	22.7	37.9	
	nmol/l	36.0	27.0	45.0	Roche Cobas e601/602
	µg/dl	2.81	2.11	3.51	
	ng/ml	28.1	21.1	35.1	
	nmol/l	33.0	24.8	41.3	Immunotech IRMA
	µg/dl	2.57	1.93	3.21	
	ng/ml	25.7	19.3	32.1	
	nmol/l	26.8	20.1	33.5	Siemens Centaur CP
	µg/dl	2.09	1.57	2.61	
	ng/ml	20.9	15.7	26.1	
	nmol/l	28.6	21.5	35.8	Mindray CL Series
	µg/dl	2.23	1.68	2.78	
	ng/ml	22.3	16.8	27.8	
	nmol/l	37.2	27.9	46.5	Diasorin Liaison XL
	µg/dl	2.90	2.18	3.62	
	ng/ml	29.0	21.8	36.2	
	nmol/l	32.0	24.0	40.0	Abbott Alinity i
	µg/dl	2.50	1.87	3.13	
	ng/ml	25.0	18.7	31.3	
	nmol/l	29.7	22.3	37.1	Siemens Atellica IM
	µg/dl	2.32	1.74	2.90	
	ng/ml	23.2	17.4	29.0	
	nmol/l	35.4	26.6	44.3	Roche Cobas e402/e801
	µg/dl	2.76	2.07	3.45	
	ng/ml	27.6	20.7	34.5	
	nmol/l	34.9	26.2	43.6	Tosoh AIA-CL Series
	µg/dl	2.72	2.04	3.40	
	ng/ml	27.2	20.4	34.0	
Valproic Acid	µmol/l	201	161	241	Abbott Architect (CMIA)
	µg/ml	29.0	23.2	34.8	
	µmol/l	225	180	270	Siemens Centaur XP/XPT/Classic
	µg/ml	32.5	26.0	39.0	
	µmol/l	200	160	240	Siemens Dimension
	µg/ml	28.9	23.1	34.7	
	µmol/l	185	148	222	Siemens Immulite 2000/2500
	µg/ml	26.7	21.4	32.0	
	µmol/l	196	157	235	Roche Integra
	µg/ml	28.3	22.7	33.9	
	µmol/l	190	152	228	Vitros
	µg/ml	27.4	21.9	32.9	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	µmol/l	197	158	236	Roche Cobas 4000/c311
	µg/ml	28.4	22.8	34.0	
	µmol/l	200	160	240	Roche Cobas 6000/8000
	µg/ml	28.9	23.1	34.7	
	µmol/l	208	166	250	Beckman AU400/600/640/2700/5400
	µg/ml	30.0	24.0	36.0	
	µmol/l	174	139	209	Abbott Architect (PETINA)
	µg/ml	25.1	20.1	30.1	
	µmol/l	218	174	262	EMIT
	µg/ml	31.5	25.1	37.9	
	µmol/l	209	167	251	Siemens Atellica CH
	µg/ml	30.2	24.1	36.3	
	µmol/l	181	145	217	Abbott Alinity (CMIA)
	µg/ml	26.1	20.9	31.3	
	µmol/l	175	140	210	Abbott Alinity (PETINA)
	µg/ml	25.3	20.2	30.4	
Vancomycin	µmol/l	243	194	292	Gravimetric
	µg/ml	35.1	28.0	42.1	
	µmol/l	3.17	2.54	3.80	Roche Integra
	µg/ml	4.71	3.77	5.65	
	µmol/l	3.62	2.90	4.34	Ortho Vitros Microslide Systems
	µg/ml	5.38	4.31	6.45	
	µmol/l	3.63	2.90	4.36	Abbott Architect (CMIA)
	µg/ml	5.39	4.31	6.47	
	µmol/l	2.72	2.18	3.26	Siemens Centaur XP/XPT/Classic
	µg/ml	4.04	3.24	4.84	
	µmol/l	3.49	2.79	4.19	Siemens Dimension
	µg/ml	5.19	4.15	6.23	
	µmol/l	3.40	2.72	4.08	Roche Cobas 6000/8000
	µg/ml	5.05	4.04	6.06	
	µmol/l	3.28	2.62	3.94	Thermo Scientific QMS Vancomycin
	µg/ml	4.87	3.89	5.85	
Vitamin B12	µmol/l	3.75	3.00	4.50	Abbott Architect (PETINA)
	µg/ml	5.57	4.46	6.68	
	µmol/l	3.48	2.78	4.18	Siemens Atellica CH
	µg/ml	5.17	4.13	6.21	
	µmol/l	3.53	2.82	4.24	Abbott Alinity (CMIA)
	µg/ml	5.24	4.19	6.29	
	µmol/l	3.64	2.91	4.37	Abbott Alinity (PETINA)
	µg/ml	5.41	4.32	6.50	
	µmol/l	3.43	2.74	4.12	Gravimetric
	µg/ml	5.10	4.07	6.12	
Vitamin B12	pmol/l	154	123	185	Abbott Architect
	pg/ml	209	167	251	
	pmol/l	142	114	170	Siemens Centaur XP/XPT/Classic
	pg/ml	192	154	230	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	111	88.8	133	Siemens Immulite 2000
	pg/ml	150	120	180	
	pmol/l	98.9	79.1	119	Beckman Dxl800
	pg/ml	134	107	161	
	pmol/l	171	137	205	Roche Elecsys
	pg/ml	232	186	278	
	pmol/l	105	84.0	126	Beckman Access
	pg/ml	142	114	170	
	pmol/l	156	125	187	Tosoh Series
	pg/ml	211	169	253	
	pmol/l	156	125	187	Vitros ECI
	pg/ml	211	169	253	
	pmol/l	130	104	156	Siemens Dimension
	pg/ml	176	141	211	
	pmol/l	135	108	162	Siemens Centaur CP
	pg/ml	183	146	220	
	pmol/l	175	140	210	Roche Cobas 4000/e411 Gen II
	pg/ml	237	190	284	
	pmol/l	167	134	200	Roche Cobas e601/602 Gen II
	pg/ml	226	182	270	
	pmol/l	179	143	215	Mindray CL Series
	pg/ml	243	194	292	
	pmol/l	112	89.6	134	Diasorin Liaison XL
	pg/ml	152	121	183	
	pmol/l	159	127	191	Siemens Atellica IM
	pg/ml	215	172	258	
	pmol/l	211	169	253	Abbott Alinity i
	pg/ml	286	229	343	
	pmol/l	156	125	187	Roche Cobas e801 Gen II
	pg/ml	211	169	253	

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.	2107EC	EXPIRY:	2024-12-28		

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

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

Thyroglobulin should be tested within 4 hours of reconstitution when stored at +2°C to +8°C, or within 2 weeks when stored at -20°C.

ACTH should be tested immediately after the 30-minute reconstitution period. No frozen stability claim is made for ACTH, Aldosterone and C-Peptide. Only the required amount of product should be removed. After use, any residual product should NOT BE RETURNED to the original vial.

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

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

PREPARATION

Immunoassay Premium Plus is supplied lyophilised.

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. 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.

EC	REP
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Randox Teoranta, Meenmore,
Dungloe, Donegal,
F94 TV06, Ireland

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IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	11.5	8.63	14.4	Immunotech RIA
	ng/ml	3.81	2.86	4.76	
	nmol/l	16.0	12.0	20.0	ELISA
	ng/ml	5.30	3.97	6.63	
	nmol/l	19.1	14.3	23.9	DRG ELISA
	ng/ml	6.32	4.73	7.91	
	nmol/l	15.6	11.7	19.5	DIAsource RIA
	ng/ml	5.16	3.87	6.45	
25-OH Vitamin D	nmol/l	17.6	13.2	22.0	DIAsource ELISA
	ng/ml	5.83	4.37	7.29	
	nmol/l	16.6	12.5	20.8	LC/MS
	ng/ml	5.49	4.14	6.84	
	nmol/l	69.6	52.2	87.0	Diasorin Liaison
	nmol/l	87.8	65.9	110	Siemens Centaur XP/XPT/Classic
	nmol/l	62.1	46.6	77.6	Roche Vitamin D Total
	nmol/l	62.1	46.6	77.6	Abbott Architect (3L52)
	nmol/l	80.3	60.2	100	Vitros ECI
	nmol/l	62.3	46.7	77.9	Tosoh Series
	nmol/l	75.5	56.6	94.4	BioMerieux Vidas
	nmol/l	52.6	39.5	65.8	Beckman Dxl 600/800
	nmol/l	66.0	49.5	82.5	Fujirebio Lumipulse G Series
	nmol/l	57.7	43.3	72.1	Beckman Access 25 OH Vitamin D Total
	nmol/l	57.2	42.9	71.5	LC/MS
	nmol/l	61.5	46.1	76.9	Abbott Architect (5P02)/Alinity (8P45)
	nmol/l	68.4	51.3	85.5	Diasorin Liaison XL
	nmol/l	65.4	49.1	81.8	Roche Vitamin D Total II
ACTH	nmol/l	64.3	48.2	80.4	Abbott Alinity i
	nmol/l	86.3	64.7	108	Siemens Atellica IM
	nmol/l	60.5	45.4	75.6	Roche Vitamin D Total II e801
	pmol/l	11.0	8.25	13.8	Siemens Immulite 2000/2500
	pg/ml	50.0	37.5	62.5	
	pmol/l	19.7	14.8	24.6	CIS IRMA
	pg/ml	89.5	67.3	112	
	pmol/l	10.6	7.95	13.3	Siemens Immulite 1000
Aldosterone	pg/ml	48.2	36.1	60.3	
	pmol/l	7.83	5.87	9.79	Roche Cobas e402/e801
	pg/ml	35.6	26.7	44.5	
	pmol/l	118	88.5	148	CIS RIA
	pg/ml	42.6	31.9	53.3	
	pmol/l	424	318	530	Immunotech RIA
	pg/ml	153	115	191	
	pmol/l	351	263	439	IDS iSYS
	pg/ml	127	94.9	159	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Aldosterone	pmol/l	339	254	424	Diasorin Liaison
	pg/ml	122	91.6	152	
	pmol/l	353	265	441	Diasorin Liaison XL
	pg/ml	127	95.6	158	
Alphafoetoprotein	KIU/l = IU/ml	42.6	34.1	51.1	Abbott AFP-EIA
	ng/ml	51.5	41.3	61.7	
	KIU/l = IU/ml	42.8	34.2	51.4	Abbott Architect
	ng/ml	51.8	41.4	62.2	
	KIU/l = IU/ml	44.3	35.4	53.2	BioMerieux Vidas
	ng/ml	53.6	42.8	64.4	
	KIU/l = IU/ml	48.5	38.8	58.2	Siemens Centaur XP/XPT/Classic
	ng/ml	58.7	46.9	70.5	
	KIU/l = IU/ml	44.0	35.2	52.8	Siemens Immulite 2000/2500
	ng/ml	53.2	42.6	63.8	
	KIU/l = IU/ml	46.3	37.0	55.6	Siemens Immulite 1000
	ng/ml	56.0	44.8	67.2	
	KIU/l = IU/ml	40.6	32.5	48.7	Beckman DxI800
	ng/ml	49.1	39.3	58.9	
	KIU/l = IU/ml	46.3	37.0	55.6	Roche Elecsys
	ng/ml	56.0	44.8	67.2	
	KIU/l = IU/ml	42.8	34.2	51.4	Diasorin Liaison
	ng/ml	51.8	41.4	62.2	
	KIU/l = IU/ml	42.8	34.2	51.4	Beckman Access
	ng/ml	51.8	41.4	62.2	
	KIU/l = IU/ml	42.0	33.6	50.4	Tosoh Series
	ng/ml	50.8	40.7	60.9	
	KIU/l = IU/ml	43.8	35.0	52.6	Vitros ECI
	ng/ml	45.6	36.5	54.7	
	KIU/l = IU/ml	47.6	38.1	57.1	Roche Cobas e601/602
	ng/ml	57.6	46.1	69.1	
	KIU/l = IU/ml	66.0	52.8	79.2	CIS IRMA
	ng/ml	79.9	63.9	95.9	
	KIU/l = IU/ml	48.6	38.9	58.3	Roche Cobas 4000/E411
	ng/ml	58.8	47.1	70.5	
	KIU/l = IU/ml	45.4	36.3	54.5	Fujirebio Lumipulse G Series
	ng/ml	54.9	43.9	65.9	
	KIU/l = IU/ml	46.1	36.9	55.3	Siemens Dimension
	ng/ml	55.8	44.6	67.0	
	KIU/l = IU/ml	49.6	39.7	59.5	Siemens Centaur CP
	ng/ml	60.0	48.0	72.0	
	KIU/l = IU/ml	48.9	39.1	58.7	Sysmex HISCL Series
	ng/ml	59.2	47.3	71.1	
	KIU/l = IU/ml	49.3	39.4	59.2	Diasorin Liaison XL
	ng/ml	59.7	47.7	71.7	
	KIU/l = IU/ml	48.2	38.6	57.8	Siemens Atellica IM
	ng/ml	58.3	46.7	69.9	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	42.7	34.2	51.2	Abbott Alinity i
	ng/ml	51.7	41.4	62.0	
	KIU/l = IU/ml	45.7	36.6	54.8	Roche Cobas e402/e801
	ng/ml	55.3	44.3	66.3	
	KIU/l = IU/ml	38.7	31.0	46.4	Tosoh AIA-CL Series
	ng/ml	46.8	37.5	56.1	
Amikacin	µmol/l	15.8	12.6	19.0	EMIT
	µg/ml	9.25	7.38	11.1	
	µmol/l	14.4	11.5	17.3	Roche Cobas 6000/8000
	µg/ml	8.43	6.73	10.1	
	µmol/l	14.8	11.8	17.8	Abbott Architect
	µg/ml	8.67	6.91	10.4	
	µmol/l	14.8	11.8	17.8	Thermo Scientific QMS Amikacin
	µg/ml	8.67	6.91	10.4	
Androstenedione	µmol/l	15.3	12.2	18.4	Abbott Alinity
	µg/ml	8.96	7.14	10.8	
	µmol/l	15.2	12.2	18.2	Gravimetric
	µg/ml	8.90	7.14	10.7	
	nmol/l	7.46	5.60	9.33	Beckman Coulter RIA
	ng/ml	2.14	1.61	2.67	
	nmol/l	17.5	13.1	21.9	Siemens Immulite 2000
	ng/ml	5.02	3.76	6.28	
Beta-2-microglobulin	nmol/l	7.56	5.67	9.45	LC/MS
	ng/ml	2.17	1.63	2.71	
	nmol/l	9.71	7.28	12.1	Diasorin Liaison XL
	ng/ml	2.79	2.09	3.49	
	µg/ml = mg/l	3.08	2.46	3.70	Abbott Architect
	µg/ml = mg/l	3.35	2.68	4.02	BioMerieux Vidas
	µg/ml = mg/l	3.01	2.41	3.61	Behring Nephelometer
	µg/ml = mg/l	2.92	2.34	3.50	Siemens Immulite 2000/2500
C-Peptide	µg/ml = mg/l	3.16	2.53	3.79	Tosoh Series
	µg/ml = mg/l	3.08	2.46	3.70	Roche Cobas 6000/8000
	µg/ml = mg/l	2.70	2.16	3.24	Diasorin Liaison XL
	µg/ml = mg/l	3.00	2.40	3.60	Siemens Atellica CH
	µg/ml = mg/l	3.11	2.49	3.73	Abbott Alinity
	nmol/l	1.960	1.470	2.450	Siemens Immulite 2000/2500
	ng/ml	5.92	4.44	7.40	
	nmol/l	2.060	1.550	2.580	Roche Elecsys
	ng/ml	6.22	4.68	7.76	
	nmol/l	2.040	1.530	2.550	Roche Cobas e601/602
	ng/ml	6.16	4.62	7.70	
	nmol/l	1.890	1.420	2.360	Siemens Immulite 1000
	ng/ml	5.71	4.29	7.13	
	nmol/l	2.020	1.520	2.530	Diasorin Liaison
	ng/ml	6.10	4.59	7.61	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
C-Peptide	nmol/l	2.100	1.580	2.630	Roche Cobas 4000/E411
	ng/ml	6.34	4.77	7.91	
	nmol/l	1.880	1.410	2.350	Abbott Architect
	ng/ml	5.68	4.26	7.10	
	nmol/l	1.360	1.020	1.700	Siemens Centaur XP/XPT/Classic
	ng/ml	4.11	3.08	5.14	
	nmol/l	1.780	1.340	2.230	Tosoh Series
	ng/ml	5.37	4.05	6.69	
	nmol/l	2.140	1.610	2.680	Diasorin Liaison XL
	ng/ml	6.46	4.86	8.06	
	nmol/l	2.030	1.520	2.540	Roche Cobas e402/e801
	ng/ml	6.13	4.59	7.67	
	nmol/l	1.290	0.968	1.610	Siemens Atellica IM
	ng/ml	3.89	2.92	4.86	
	nmol/l	1.930	1.450	2.410	Vitros ECI
	ng/ml	5.83	4.38	7.28	
CA 15-3	nmol/l	1.260	0.945	1.580	Beckman Access
	ng/ml	3.80	2.85	4.75	
	nmol/l	1.840	1.380	2.300	Abbott Alinity i
	ng/ml	5.55	4.17	6.93	
	U/ml	56.6	45.3	67.9	Abbott Architect
	U/ml	38.4	30.7	46.1	BioMerieux Vidas
	U/ml	41.9	33.5	50.3	Siemens Centaur XP/XPT/Classic
	U/ml	46.4	37.1	55.7	Siemens Immulite 2000/2500
	U/ml	53.8	43.0	64.6	Siemens Immulite 1000
	U/ml	19.2	15.4	23.0	Beckman Dxl800
	U/ml	41.8	33.4	50.2	Roche Elecsys
	U/ml	40.8	32.6	49.0	Diasorin Liaison
	U/ml	19.2	15.4	23.0	Beckman Access
	U/ml	49.7	39.8	59.6	Tosoh Series
	U/ml	35.9	28.7	43.1	Vitros ECI
	U/ml	41.2	33.0	49.4	Roche Cobas e601/602
CA 19-9	U/ml	41.3	33.0	49.6	Roche Cobas 4000/E411
	U/ml	43.3	34.6	52.0	Diasorin Liaison XL
	U/ml	44.2	35.4	53.0	Siemens Atellica IM
	U/ml	38.9	31.1	46.7	Roche Cobas e402/e801
	U/ml	54.2	43.4	65.0	Abbott Alinity i
	U/ml	114	91.2	137	BioMerieux Vidas
	U/ml	158	126	190	Siemens Centaur XP/XPT/Classic
	U/ml	152	122	182	Siemens Immulite 2000/2500
	U/ml	152	122	182	Beckman Dxl800
	U/ml	73.0	58.4	87.6	Roche Elecsys
	U/ml	170	136	204	Beckman Access
	U/ml	59.9	47.9	71.9	Tosoh Series
	U/ml	151	121	181	Vitros ECI
	U/ml	222	178	266	Abbott Architect XR/XR2/XRL

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
CA 19-9	U/ml	73.6	58.9	88.3	Roche Cobas e601/602
	U/ml	75.7	60.6	90.8	Roche Cobas 4000/E411
	U/ml	154	123	185	Fujirebio Lumipulse G Series
	U/ml	97.9	78.3	117	Izotop RIA
	U/ml	129	103	155	Siemens Centaur CP
	U/ml	128	102	154	Diasorin Liaison XL
	U/ml	156	125	187	Siemens Atellica IM
	U/ml	74.8	59.8	89.8	Roche Cobas e402/e801
	U/ml	225	180	270	Abbott Alinity XR/XR2/XRL
CA125	U/ml	110	88.0	132	Abbott Architect
	U/ml	81.8	65.4	98.2	BioMerieux Vidas
	U/ml	92.9	74.3	111	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	96.1	76.9	115	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	80.0	64.0	96.0	Siemens Immulite 2000/2500
	U/ml	95.7	76.6	115	Siemens Immulite 1000
	U/ml	69.6	55.7	83.5	Beckman Dxl800
	U/ml	80.3	64.2	96.4	Roche Elecsys
	U/ml	71.1	56.9	85.3	Beckman Access
	U/ml	145	116	174	Tosoh Series
	U/ml	81.2	65.0	97.4	Vitros ECi
	U/ml	80.9	64.7	97.1	Roche Cobas 4000/E411
	U/ml	81.6	65.3	97.9	Roche Cobas e601/602
	U/ml	66.6	53.3	79.9	Fujirebio Lumipulse G Series
	U/ml	93.2	74.6	112	Siemens Centaur CP CA125 II kit
	U/ml	102	81.6	122	Diasorin Liaison XL
	U/ml	107	85.6	128	Siemens Atellica IM
	U/ml	78.2	62.6	93.8	Roche Cobas e402/e801
	U/ml	113	90.4	136	Abbott Alinity i
Carbamazepine	µmol/l	38.7	31.0	46.4	Abbott Architect (CMIA)
	µg/ml	9.15	7.33	11.0	
	µmol/l	42.8	34.2	51.4	Siemens Centaur XP/XPT/Classic
	µg/ml	10.1	8.08	12.1	
	µmol/l	34.5	27.6	41.4	Siemens Dimension
	µg/ml	8.16	6.52	9.80	
	µmol/l	32.5	26.0	39.0	Siemens Immulite 2000/2500
	µg/ml	7.68	6.15	9.21	
	µmol/l	38.0	30.4	45.6	Roche Integra
	µg/ml	8.98	7.19	10.8	
	µmol/l	38.3	30.6	46.0	Vitros
	µg/ml	9.05	7.23	10.9	
	µmol/l	38.7	31.0	46.4	Roche Cobas 6000/8000
	µg/ml	9.15	7.33	11.0	
	µmol/l	39.3	31.4	47.2	Beckman DxC
	µg/ml	9.29	7.42	11.2	
	µmol/l	39.7	31.8	47.6	Beckman AU400/600/640/2700/5400
	µg/ml	9.39	7.52	11.3	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	31.9	25.5	38.3	Abbott Architect (PETINA)
	µg/ml	7.54	6.03	9.05	
	µmol/l	40.3	32.2	48.4	EMIT
	µg/ml	9.53	7.61	11.5	
	µmol/l	36.3	29.0	43.6	Siemens Atellica CH
	µg/ml	8.58	6.86	10.3	
	µmol/l	30.1	24.1	36.1	Abbott Alinity (PETINA)
	µg/ml	7.12	5.70	8.54	
	µmol/l	38.5	30.8	46.2	Gravimetric
	µg/ml	9.10	7.28	10.9	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	33.6	26.9	40.3	Abbott Architect
	ng/ml = µg/l	24.9	19.9	29.9	BioMerieux Vidas
	ng/ml = µg/l	26.5	21.2	31.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	26.2	21.0	31.4	CIS RIA Coated tube
	ng/ml = µg/l	36.4	29.1	43.7	Siemens Immulite 2000/2500
	ng/ml = µg/l	37.9	30.3	45.5	Siemens Immulite 1000
	ng/ml = µg/l	24.4	19.5	29.3	Beckman Dxl800
	ng/ml = µg/l	24.7	19.8	29.6	Roche Elecsys
	ng/ml = µg/l	22.5	18.0	27.0	Diasorin Liaison
	ng/ml = µg/l	25.8	20.6	31.0	Beckman Access
	ng/ml = µg/l	38.6	30.9	46.3	Tosoh Series
	ng/ml = µg/l	29.0	23.2	34.8	Vitros ECi
	ng/ml = µg/l	24.4	19.5	29.3	Roche Cobas e601/602
	ng/ml = µg/l	24.8	19.8	29.8	Roche Cobas 4000/E411
	ng/ml = µg/l	34.0	27.2	40.8	Fujirebio Lumipulse G Series
	ng/ml = µg/l	32.5	26.0	39.0	Boditech Med Inc i-CHROMA
	ng/ml = µg/l	26.6	21.3	31.9	Siemens Centaur CP
	ng/ml = µg/l	24.9	19.9	29.9	Diasorin Liaison XL
	ng/ml = µg/l	26.0	20.8	31.2	Siemens Atellica IM
	ng/ml = µg/l	24.4	19.5	29.3	Roche Cobas e402/e801
	ng/ml = µg/l	32.9	26.3	39.5	Abbott Alinity i
Cortisol	nmol/l	559	419	699	Abbott Architect
	µg/dl	20.1	15.1	25.1	
	nmol/l	579	434	724	BioMerieux Vidas
	µg/dl	20.8	15.6	26.0	
	nmol/l	734	551	918	Siemens Centaur XP/XPT/Classic
	µg/dl	26.4	19.8	33.0	
	nmol/l	514	386	643	CIS RIA
	µg/dl	18.5	13.9	23.1	
	nmol/l	583	437	729	Siemens Immulite 2000/2500
	µg/dl	21.0	15.7	26.3	
	nmol/l	669	502	836	Siemens Immulite 1000
	µg/dl	24.1	18.1	30.1	
	nmol/l	626	470	783	Beckman Dxl800
	µg/dl	22.5	16.9	28.1	
	nmol/l	618	464	773	Roche Elecsys
	µg/dl	22.2	16.7	27.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	678	509	848	Beckman Access
	µg/dl	24.4	18.3	30.5	
	nmol/l	677	508	846	Tosoh Series
	µg/dl	24.4	18.3	30.5	
	nmol/l	586	440	733	Vitros ECI
	µg/dl	21.1	15.8	26.4	
	nmol/l	631	473	789	Roche Cobas e601/602
	µg/dl	22.7	17.0	28.4	
	nmol/l	663	497	829	Roche Cobas 4000/E411
	µg/dl	23.9	17.9	29.9	
	nmol/l	787	590	984	Siemens Centaur CP
	µg/dl	28.3	21.2	35.4	
	nmol/l	636	477	795	Roche Cobas 4000/e411 Gen II
	µg/dl	22.9	17.2	28.6	
	nmol/l	627	470	784	Roche Cobas e601/602 Gen II
	µg/dl	22.6	16.9	28.3	
	nmol/l	646	485	808	Roche Elecsys Gen II
	µg/dl	23.3	17.5	29.1	
	nmol/l	594	446	743	Diasorin Liaison XL
	µg/dl	21.4	16.1	26.7	
DHEA-S	nmol/l	760	570	950	Siemens Atellica IM
	µg/dl	27.4	20.5	34.3	
	nmol/l	627	470	784	Roche Cobas e402/e801
	µg/dl	22.6	16.9	28.3	
	nmol/l	690	518	863	Tosoh AIA-CL Series
	µg/dl	24.8	18.6	31.0	
	nmol/l	556	417	695	Abbott Alinity i
	µg/dl	20.0	15.0	25.0	
	µmol/l	13.5	10.8	16.2	Abbott Architect
	µmol/l	11.9	9.52	14.3	Siemens Immulite 2000/2500
	µmol/l	10.6	8.48	12.7	Siemens Immulite 1000
	µmol/l	11.5	9.20	13.8	Beckman Dxl800
	µmol/l	18.8	15.0	22.6	Roche Elecsys
	µmol/l	12.3	9.84	14.8	Beckman Access
Digoxin	µmol/l	10.9	8.72	13.1	Siemens Centaur XP/XPT/Classic
	µmol/l	16.9	13.5	20.3	Roche Cobas 4000/E411
	µmol/l	16.7	13.4	20.0	Roche Cobas e601/602
	µmol/l	10.0	8.00	12.0	Diasorin Liaison XL
	µmol/l	11.2	8.96	13.4	Siemens Atellica IM
	µmol/l	15.9	12.7	19.1	Roche Cobas e402/e801
	µmol/l	13.7	11.0	16.4	Abbott Alinity i
	nmol/l	2.38	1.90	2.86	Abbott Architect (CMIA)
	ng/ml	1.86	1.48	2.24	
	nmol/l	2.60	2.08	3.12	BioMerieux Vidas
	ng/ml	2.03	1.62	2.44	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	3.13	2.50	3.76	Siemens Centaur XP/XPT/Classic
	ng/ml	2.44	1.95	2.93	
	nmol/l	2.78	2.22	3.34	Siemens Dimension
	ng/ml	2.17	1.73	2.61	
	nmol/l	2.91	2.33	3.49	Siemens Immulite 2000/2500
	ng/ml	2.27	1.82	2.72	
	nmol/l	2.81	2.25	3.37	Beckman Dxl800
	ng/ml	2.19	1.76	2.62	
	nmol/l	2.57	2.06	3.08	Roche Integra
	ng/ml	2.01	1.61	2.41	
	nmol/l	2.81	2.25	3.37	Roche Cobas e601/602
	ng/ml	2.19	1.76	2.62	
	nmol/l	2.87	2.30	3.44	Beckman AU400/600/640/2700/5400
	ng/ml	2.24	1.80	2.68	
	nmol/l	2.84	2.27	3.41	Roche Cobas 4000/E411
	ng/ml	2.22	1.77	2.67	
	nmol/l	2.53	2.02	3.04	Abbott Architect (PETINA)
	ng/ml	1.98	1.58	2.38	
	nmol/l	2.75	2.20	3.30	Roche Cobas e402/e801
	ng/ml	2.15	1.72	2.58	
	nmol/l	3.15	2.52	3.78	Siemens Atellica IM
	ng/ml	2.46	1.97	2.95	
	nmol/l	2.84	2.27	3.41	Siemens Atellica CH
	ng/ml	2.22	1.77	2.67	
	nmol/l	2.54	2.03	3.05	Abbott Alinity (CMIA)
	ng/ml	1.98	1.59	2.37	
	nmol/l	2.69	2.15	3.23	Abbott Alinity (PETINA)
	ng/ml	2.10	1.68	2.52	
	nmol/l	3.07	2.46	3.68	Gravimetric
	ng/ml	2.40	1.92	2.87	
	nmol/l	2.75	2.20	3.30	Roche Cobas C303/501/502/503/701
	ng/ml	2.15	1.72	2.58	
Ethosuximide	μmol/l	360	288	432	Gravimetric
	μg/ml	51.0	40.8	61.3	
Ferritin	ng/ml = μg/l	93.2	74.6	112	Abbott Architect
	ng/ml = μg/l	67.0	53.6	80.4	BioMerieux Vidas
	ng/ml = μg/l	64.7	51.8	77.6	Siemens Centaur XP/XPT/Classic
	ng/ml = μg/l	87.2	69.8	105	Siemens Dimension
	ng/ml = μg/l	75.7	60.6	90.8	Siemens Immulite 2000/2500
	ng/ml = μg/l	66.0	52.8	79.2	Siemens Immulite 1000
	ng/ml = μg/l	58.9	47.1	70.7	Beckman Dxl800
	ng/ml = μg/l	91.9	73.5	110	Roche Elecsys/Cobas e411
	ng/ml = μg/l	74.6	59.7	89.5	Diasorin Liaison
	ng/ml = μg/l	91.0	72.8	109	Roche Modular E170 / Roche Cobas e601/602
	ng/ml = μg/l	60.1	48.1	72.1	Beckman Access
	ng/ml = μg/l	59.4	47.5	71.3	Tosoh Series

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Ferritin	ng/ml = µg/l	54.2	43.4	65.0	Vitros ECI
	ng/ml = µg/l	88.5	70.8	106	Roche Cobas 4000/c311
	ng/ml = µg/l	72.8	58.2	87.4	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	91.1	72.9	109	Roche Cobas c501/502/503/701/702
	ng/ml = µg/l	66.2	53.0	79.4	Siemens Centaur CP
	ng/ml = µg/l	87.6	70.1	105	Diasorin Liaison XL
	ng/ml = µg/l	95.1	76.1	114	Abbott Alinity i
	ng/ml = µg/l	60.5	48.4	72.6	Siemens Atellica IM
	ng/ml = µg/l	91.2	73.0	109	Roche Cobas e402/e801
Folate	nmol/l	9.89	7.52	12.3	Abbott Architect
	ng/ml	4.36	3.32	5.40	
	nmol/l	22.5	17.1	27.9	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	9.92	7.54	12.3	
	nmol/l	8.44	6.41	10.5	Siemens Immulite 2000
	ng/ml	3.72	2.83	4.61	
	nmol/l	11.5	8.74	14.3	Beckman Dxl 600 / 800 - A14208
	ng/ml	5.07	3.85	6.29	
	nmol/l	11.8	8.97	14.6	Beckman Access
	ng/ml	5.20	3.96	6.44	
	nmol/l	7.68	5.84	9.52	Vitros ECI
	ng/ml	3.39	2.58	4.20	
	nmol/l	6.76	5.14	8.38	Siemens Dimension
	ng/ml	2.98	2.27	3.69	
	nmol/l	11.9	9.04	14.8	Beckman Dxl 600 / 800 - A98032
	ng/ml	5.25	3.99	6.51	
	nmol/l	26.5	20.1	32.9	Siemens Centaur CP (enhanced kit)
	ng/ml	11.7	8.86	14.5	
	nmol/l	10.8	8.21	13.4	Roche Folate III - 04476433
	ng/ml	4.76	3.62	5.90	
	nmol/l	10.8	8.21	13.4	Roche Elecsys Folate
	ng/ml	4.76	3.62	5.90	
	nmol/l	11.1	8.44	13.8	Roche Folate III - 07559992
	ng/ml	4.90	3.72	6.08	
	nmol/l	19.9	15.1	24.7	Siemens Atellica IM
	ng/ml	8.78	6.66	10.9	
	nmol/l	10.7	8.13	13.3	Abbott Alinity i
	ng/ml	4.72	3.59	5.85	
	nmol/l	11.6	8.82	14.4	Roche Folate 07027290 e801
	ng/ml	5.12	3.89	6.35	
Free T3	pmol/l	10.6	7.95	13.3	Abbott Architect, 2 point calibration
	ng/dl	0.689	0.517	0.861	
	pg/ml	6.90	5.18	8.62	
	pmol/l	11.6	8.70	14.5	BioMerieux Vidas
	ng/dl	0.754	0.566	0.942	
	pg/ml	7.55	5.66	9.44	
	pmol/l	11.8	8.85	14.8	Siemens Centaur XP/XPT/Classic
	ng/dl	0.767	0.575	0.959	
	pg/ml	7.68	5.76	9.60	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	8.47	6.35	10.6	Siemens Immulite 2000/2500
	ng/dl	0.551	0.413	0.689	
	pg/ml	5.51	4.13	6.89	
	pmol/l	9.21	6.91	11.5	Siemens Immulite 1000
	ng/dl	0.599	0.449	0.749	
	pg/ml	6.00	4.50	7.50	
	pmol/l	8.46	6.35	10.6	Beckman Dxl800
	ng/dl	0.550	0.413	0.687	
	pg/ml	5.51	4.13	6.89	
	pmol/l	13.7	10.3	17.1	Roche Elecsys
	ng/dl	0.891	0.670	1.11	
	pg/ml	8.92	6.71	11.1	
	pmol/l	14.6	11.0	18.3	Diasorin Liaison
	ng/dl	0.949	0.715	1.18	
	pg/ml	9.50	7.16	11.8	
	pmol/l	9.44	7.08	11.8	Beckman Access
	ng/dl	0.614	0.460	0.768	
	pg/ml	6.15	4.61	7.69	
	pmol/l	15.6	11.7	19.5	Tosoh Series
	ng/dl	1.01	0.761	1.26	
	pg/ml	10.2	7.62	12.8	
	pmol/l	28.4	21.3	35.5	Vitros ECI
	ng/dl	1.85	1.38	2.32	
	pg/ml	18.5	13.9	23.1	
	pmol/l	13.5	10.1	16.9	Roche Cobas 4000/E411
	ng/dl	0.878	0.657	1.10	
	pg/ml	8.79	6.58	11.0	
	pmol/l	13.6	10.2	17.0	Roche Cobas e601/602
	ng/dl	0.884	0.663	1.11	
	pg/ml	8.85	6.64	11.1	
	pmol/l	13.9	10.4	17.4	Fujirebio Lumipulse G Series
	ng/dl	0.904	0.676	1.13	
	pg/ml	9.05	6.77	11.3	
	pmol/l	12.0	9.00	15.0	Siemens Centaur CP
	ng/dl	0.780	0.585	0.975	
	pg/ml	7.81	5.86	9.76	
	pmol/l	14.0	10.5	17.5	Sysmex HISCL Series
	ng/dl	0.910	0.683	1.14	
	pg/ml	9.11	6.84	11.4	
	pmol/l	15.5	11.6	19.4	Diasorin Liaison XL
	ng/dl	1.01	0.754	1.27	
	pg/ml	10.1	7.55	12.7	
	pmol/l	12.5	9.38	15.6	Siemens Atellica IM
	ng/dl	0.813	0.610	1.02	
	pg/ml	8.14	6.11	10.2	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	11.1	8.33	13.9	Abbott Alinity, 2 point cal
	ng/dl	0.722	0.541	0.903	
	pg/ml	7.23	5.42	9.04	
	pmol/l	10.7	8.03	13.4	Abbott Architect, 6 point calibration
	ng/dl	0.696	0.522	0.870	
	pg/ml	6.97	5.23	8.71	
	pmol/l	13.6	10.2	17.0	Roche Cobas e402/e801
	ng/dl	0.884	0.663	1.11	
	pg/ml	8.85	6.64	11.1	
	pmol/l	12.5	9.38	15.6	Tosoh AIA-CL Series
	ng/dl	0.813	0.610	1.02	
	pg/ml	8.14	6.11	10.2	
Free T4	pmol/l	11.1	8.33	13.9	Abbott Alinity, 6 point cal
	ng/dl	0.722	0.541	0.903	
	pg/ml	7.23	5.42	9.04	
	pmol/l	21.6	16.2	27.0	Abbott Architect
	ng/dl	1.68	1.26	2.10	
	pg/ml	16.8	12.6	21.0	
	pmol/l	22.6	17.0	28.3	Siemens Centaur XP/XPT/Classic
	ng/dl	1.76	1.33	2.19	
	pg/ml	17.6	13.3	21.9	
	pmol/l	30.1	22.6	37.6	CIS RIA Coated tube
	ng/dl	2.35	1.76	2.94	
	pg/ml	23.5	17.6	29.4	
	pmol/l	32.2	24.2	40.3	Siemens Immulite 2000/2500
	ng/dl	2.51	1.89	3.13	
	pg/ml	25.1	18.9	31.3	
	pmol/l	33.1	24.8	41.4	Siemens Immulite 1000
	ng/dl	2.58	1.93	3.23	
	pg/ml	25.8	19.3	32.3	
	pmol/l	23.9	17.9	29.9	Beckman Dxl800
	ng/dl	1.86	1.40	2.32	
	pg/ml	18.6	14.0	23.2	
	pmol/l	28.8	21.6	36.0	Roche Elecsys
	ng/dl	2.25	1.68	2.82	
	pg/ml	22.5	16.8	28.2	
	pmol/l	33.0	24.8	41.3	Diasorin Liaison
	ng/dl	2.57	1.93	3.21	
	pg/ml	25.7	19.3	32.1	
	pmol/l	24.8	18.6	31.0	Beckman Access
	ng/dl	1.93	1.45	2.41	
	pg/ml	19.3	14.5	24.1	
	pmol/l	30.5	22.9	38.1	Tosoh Series
	ng/dl	2.38	1.79	2.97	
	pg/ml	23.8	17.9	29.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	63.5	47.6	79.4	Vitros ECI
	ng/dl	4.95	3.71	6.19	
	pg/ml	49.5	37.1	61.9	
	pmol/l	29.3	22.0	36.6	BioMerieux Vidas
	ng/dl	2.29	1.72	2.86	
	pg/ml	22.9	17.2	28.6	
	pmol/l	29.1	21.8	36.4	Roche Cobas e601/602
	ng/dl	2.27	1.70	2.84	
	pg/ml	22.7	17.0	28.4	
	pmol/l	21.5	16.1	26.9	Immunotech IRMA
	ng/dl	1.68	1.26	2.10	
	pg/ml	16.8	12.6	21.0	
	pmol/l	29.0	21.8	36.3	Roche Cobas 4000/E411
	ng/dl	2.26	1.70	2.82	
	pg/ml	22.6	17.0	28.2	
	pmol/l	30.1	22.6	37.6	Biomerieux Vidas FT4N Kit
	ng/dl	2.35	1.76	2.94	
	pg/ml	23.5	17.6	29.4	
	pmol/l	23.1	17.3	28.9	Fujirebio Lumipulse G Series
	ng/dl	1.80	1.35	2.25	
	pg/ml	18.0	13.5	22.5	
	pmol/l	24.4	18.3	30.5	Siemens Dimension Exl LOCI
	ng/dl	1.90	1.43	2.37	
	pg/ml	19.0	14.3	23.7	
	pmol/l	23.0	17.3	28.8	Siemens Centaur CP
	ng/dl	1.79	1.35	2.23	
	pg/ml	17.9	13.5	22.3	
	pmol/l	30.6	23.0	38.3	Sysmex HISCL Series
	ng/dl	2.39	1.79	2.99	
	pg/ml	23.9	17.9	29.9	
	pmol/l	35.2	26.4	44.0	Diasorin Liaison XL
	ng/dl	2.75	2.06	3.44	
	pg/ml	27.5	20.6	34.4	
	pmol/l	23.1	17.3	28.9	Siemens Atellica IM
	ng/dl	1.80	1.35	2.25	
	pg/ml	18.0	13.5	22.5	
	pmol/l	20.8	15.6	26.0	Abbott Alinity i
	ng/dl	1.62	1.22	2.02	
	pg/ml	16.2	12.2	20.2	
	pmol/l	29.2	21.9	36.5	Roche Cobas e402/e801
	ng/dl	2.28	1.71	2.85	
	pg/ml	22.8	17.1	28.5	
	pmol/l	29.2	21.9	36.5	Tosoh AIA-CL Series
	ng/dl	2.28	1.71	2.85	
	pg/ml	22.8	17.1	28.5	
FSH	mU/ml	24.1	19.3	28.9	Abbott Architect

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
FSH	mU/ml	28.8	23.0	34.6	BioMerieux Vidas
	mU/ml	30.3	24.2	36.4	Siemens Centaur XP/XPT/Classic
	mU/ml	25.7	20.6	30.8	Siemens Immulite 2000/2500
	mU/ml	26.7	21.4	32.0	Siemens Immulite 1000
	mU/ml	28.6	22.9	34.3	Beckman Dxl800
	mU/ml	26.3	21.0	31.6	Roche/BM Elecsys
	mU/ml	27.9	22.3	33.5	Beckman Access
	mU/ml	29.2	23.4	35.0	Tosoh Series
	mU/ml	20.0	16.0	24.0	Vitros ECI
	mU/ml	27.2	21.8	32.6	Roche Cobas 4000/E411
	mU/ml	25.0	20.0	30.0	Roche Cobas e601/602
	mU/ml	23.2	18.6	27.8	Fujirebio Lumipulse G Series
	mU/ml	29.1	23.3	34.9	Siemens Centaur CP
	mU/ml	37.0	29.6	44.4	Diasorin Liaison XL
	mU/ml	30.0	24.0	36.0	Siemens Atellica IM
	mU/ml	24.7	19.8	29.6	Abbott Alinity i
	mU/ml	25.4	20.3	30.5	Roche Cobas e402/e801
Gentamicin	µmol/l	7.85	6.28	9.42	Roche Integra
	µg/ml	3.75	3.00	4.50	
	µmol/l	8.70	6.96	10.4	Siemens Centaur XP/XPT/Classic
	µg/ml	4.16	3.33	4.99	
	µmol/l	8.54	6.83	10.2	Abbott Architect (CMIA)
	µg/ml	4.08	3.26	4.90	
	µmol/l	8.67	6.94	10.4	Siemens Dimension Vista
	µg/ml	4.14	3.32	4.96	
	µmol/l	6.20	4.96	7.44	Roche Cobas 6000/8000 Online KIMS
	µg/ml	2.96	2.37	3.55	
	µmol/l	8.15	6.52	9.78	Roche Cobas 6000/8000 CEDIA
	µg/ml	3.90	3.12	4.68	
	µmol/l	8.26	6.61	9.91	Abbott Architect (PETINA)
	µg/ml	3.95	3.16	4.74	
	µmol/l	9.85	7.88	11.8	EMIT
	µg/ml	4.71	3.77	5.65	
	µmol/l	8.09	6.47	9.71	Siemens Atellica CH
	µg/ml	3.87	3.09	4.65	
	µmol/l	8.83	7.06	10.6	Abbott Alinity (PETINA)
	µg/ml	4.22	3.37	5.07	
Growth Hormone (GH)	µU/ml	18.3	14.6	22.0	Siemens Immulite 2000/2500
	ng/ml	6.09	4.86	7.32	
	µU/ml	16.5	13.2	19.8	Siemens Immulite 1000
	ng/ml	5.49	4.40	6.58	
	µU/ml	13.5	10.8	16.2	Beckman Dxl800
	ng/ml	4.50	3.60	5.40	
	µU/ml	14.6	11.7	17.5	Beckman Access
	ng/ml	4.86	3.90	5.82	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Growth Hormone (GH)	µU/ml	18.0	14.4	21.6	Tosoh Series
	ng/ml	5.99	4.80	7.18	
	µU/ml	14.5	11.6	17.4	Diasorin Liaison
	ng/ml	4.83	3.86	5.80	
	µU/ml	16.2	13.0	19.4	Roche Cobas 4000/E411
	ng/ml	5.39	4.33	6.45	
	µU/ml	16.4	13.1	19.7	Roche Cobas e601/602
	ng/ml	5.46	4.36	6.56	
	µU/ml	14.2	11.4	17.0	Diasorin Liaison XL
	ng/ml	4.73	3.80	5.66	
	µU/ml	16.4	13.1	19.7	Roche Cobas e402/e801
	ng/ml	5.46	4.36	6.56	
Immunoglobulin E	µU/ml	15.7	12.6	18.8	Tosoh AIA-CL Series
	ng/ml	5.23	4.20	6.26	
	KIU/I = IU/ml	107	85.6	128	Abbott Architect
	KIU/I = IU/ml	119	95.2	143	BioMerieux Vidas
	KIU/I = IU/ml	128	102	154	Siemens Centaur XP/XPT/Classic
	KIU/I = IU/ml	131	105	157	Siemens Immulite 2000/2500
	KIU/I = IU/ml	130	104	156	Siemens Immulite 1000
	KIU/I = IU/ml	140	112	168	Roche Elecsys
	KIU/I = IU/ml	122	97.6	146	Pharmacia Unicap
	KIU/I = IU/ml	116	92.8	139	Tosoh Series
	KIU/I = IU/ml	142	114	170	Roche Cobas 4000/E411
	KIU/I = IU/ml	138	110	166	Roche Cobas e601/602
	KIU/I = IU/ml	123	98.4	148	Siemens Centaur CP
	KIU/I = IU/ml	155	124	186	Agappe Mispa i2
	KIU/I = IU/ml	131	105	157	Siemens Atellica IM
	KIU/I = IU/ml	141	113	169	Roche Cobas e402/e801
Insulin	KIU/I = IU/ml	108	86.4	130	Abbott Alinity
	mU/I	12.2	9.15	15.3	Siemens Centaur XP/XPT/Classic
	µU/ml	12.2	9.15	15.3	
	mU/I	5.11	3.83	6.39	Siemens Immulite 1000
	µU/ml	5.11	3.83	6.39	
	mU/I	5.12	3.84	6.40	Siemens Immulite 2000
	µU/ml	5.12	3.84	6.40	
	mU/I	14.0	10.5	17.5	Roche Elecsys
	µU/ml	14.0	10.5	17.5	
	mU/I	10.7	8.03	13.4	Beckman Access
	µU/ml	10.7	8.03	13.4	
	mU/I	11.1	8.33	13.9	Abbott Architect
	µU/ml	11.1	8.33	13.9	
	mU/I	16.5	12.4	20.6	Tosoh Series
	µU/ml	16.5	12.4	20.6	
	mU/I	14.1	10.6	17.6	Roche Cobas 4000/E411
	µU/ml	14.1	10.6	17.6	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Insulin	mU/l	10.2	7.65	12.8	Beckman Dxl 600/800
	µU/ml	10.2	7.65	12.8	
	mU/l	15.0	11.3	18.8	Diasorin Liaison
	µU/ml	15.0	11.3	18.7	
	mU/l	13.9	10.4	17.4	Roche Cobas 6000/8000
	µU/ml	13.9	10.4	17.4	
	mU/l	12.7	9.53	15.9	Fujirebio Lumipulse G Series
	µU/ml	12.7	9.53	15.9	
	mU/l	15.8	11.9	19.8	Diasorin Liaison XL
	µU/ml	15.8	11.9	19.7	
	mU/l	12.3	9.23	15.4	Siemens Atellica IM
	µU/ml	12.3	9.23	15.4	
	mU/l	9.99	7.49	12.5	Abbott Alinity i
	µU/ml	9.99	7.49	12.5	
	mU/l	17.4	13.1	21.8	Tosoh AIA-CL Series
	µU/ml	17.4	13.1	21.7	
	mU/l	10.9	8.18	13.6	Vitros ECI
	µU/ml	10.9	8.18	13.6	
Luteinising Hormone (LH)	mU/ml	25.2	20.2	30.2	Abbott Architect
	mU/ml	28.7	23.0	34.4	BioMerieux Vidas
	mU/ml	31.7	25.4	38.0	Siemens Centaur XP/XPT/Classic
	mU/ml	43.6	34.9	52.3	Siemens Immulite 2000
	mU/ml	47.7	38.2	57.2	Siemens Immulite 1000
	mU/ml	26.2	21.0	31.4	Beckman Dxl800
	mU/ml	34.1	27.3	40.9	Roche Elecsys
	mU/ml	37.8	30.2	45.4	Diasorin Liaison
	mU/ml	27.1	21.7	32.5	Beckman Access
	mU/ml	28.5	22.8	34.2	Tosoh Series
	mU/ml	41.5	33.2	49.8	Vitros ECI
	mU/ml	34.8	27.8	41.8	Roche Cobas 4000/E411
	mU/ml	34.5	27.6	41.4	Roche Cobas e601/602
	mU/ml	28.5	22.8	34.2	Fujirebio Lumipulse G Series
	mU/ml	31.9	25.5	38.3	Siemens Centaur CP
	mU/ml	39.6	31.7	47.5	Diasorin Liaison XL
	mU/ml	32.2	25.8	38.6	Siemens Atellica IM
	mU/ml	24.7	19.8	29.6	Abbott Alinity i
	mU/ml	34.6	27.7	41.5	Roche Cobas e402/e801
Oestradiol	pmol/l	672	538	806	Abbott Architect
	pg/ml	183	146	220	
	pmol/l	1346	1077	1615	BioMerieux Vidas
	pg/ml	366	293	439	
	pmol/l	958	766	1150	Siemens Centaur XP/XPT/Classic
	pg/ml	261	208	314	
	pmol/l	984	787	1181	Siemens Immulite 2000/2500
	pg/ml	268	214	322	
	pmol/l	967	774	1160	Siemens Immulite 1000
	pg/ml	263	211	315	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	682	546	818	Beckman Dxl800
	pg/ml	186	149	223	
	pmol/l	704	563	845	Roche Elecsys (Estradiol II)
	pg/ml	191	153	229	
	pmol/l	808	646	970	Beckman Access
	pg/ml	220	176	264	
	pmol/l	800	640	960	Tosoh (E2)
	pg/ml	218	174	262	
	pmol/l	1095	876	1314	Vitros ECi
	pg/ml	298	238	358	
	pmol/l	602	482	722	Diasorin Liaison
	pg/ml	164	131	197	
	pmol/l	721	577	865	Roche Cobas e601/602 (Estradiol II)
	pg/ml	196	157	235	
	pmol/l	741	593	889	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	202	161	243	
	pmol/l	964	771	1157	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	262	210	314	
	pmol/l	989	791	1187	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	269	215	323	
	pmol/l	720	576	864	Tosoh (iE2-hsE2)
	pg/ml	196	157	235	
	pmol/l	987	790	1184	Siemens Centaur CP
	pg/ml	268	215	321	
	pmol/l	970	776	1164	Siemens Centaur CP Enhanced (eE2)
	pg/ml	264	211	317	
	pmol/l	735	588	882	Roche Cobas e601/602 (Estradiol III)
	pg/ml	200	160	240	
	pmol/l	731	585	877	Roche Elecsys (Estradiol III)
	pg/ml	199	159	239	
	pmol/l	728	582	874	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	198	158	238	
	pmol/l	551	441	661	Diasorin Liaison XL
	pg/ml	150	120	180	
	pmol/l	761	609	913	Beckman Access / Access 2 Sensitive B84493
	pg/ml	207	166	248	
	pmol/l	682	546	818	Beckman Dxl600/800 Sensitive B84493
	pg/ml	186	149	223	
	pmol/l	1005	804	1206	Siemens Atellica IM
	pg/ml	273	219	327	
	pmol/l	664	531	797	Abbott Alinity i
	pg/ml	181	144	218	
	pmol/l	727	582	872	Roche Cobas e801 (Estradiol III)
	pg/ml	198	158	238	
	pmol/l	823	658	988	Tosoh AIA-CL Series
	pg/ml	224	179	269	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Paracetamol	mmol/l	0.336	0.269	0.403	Abbott Architect
	mg/l	50.8	40.7	60.9	
	mmol/l	0.320	0.256	0.384	Roche Cobas c501/502/503/701/702
	mg/l	48.4	38.7	58.1	
	mmol/l	0.339	0.271	0.407	Beckman AU Instruments
	mg/l	51.3	41.0	61.6	
	mmol/l	0.334	0.267	0.401	Abbott Alinity
	mg/l	50.5	40.4	60.6	
Phenobarbital	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.7	42.4	63.5	
	µmol/l	79.6	63.7	95.5	Abbott Architect (CMIA)
	µg/ml	18.5	14.8	22.2	
	µmol/l	71.2	57.0	85.4	Roche Cobas e601/602/801
	µg/ml	16.5	13.2	19.8	
	µmol/l	80.0	64.0	96.0	Siemens Immulite 2000/2500
	µg/ml	18.6	14.8	22.4	
	µmol/l	72.4	57.9	86.9	Beckman AU400/600/640/2700/5400
	µg/ml	16.8	13.4	20.2	
	µmol/l	108	86.4	130	Siemens Centaur XP/XPT/Classic
	µg/ml	25.1	20.0	30.2	
	µmol/l	78.6	62.9	94.3	Roche Integra
	µg/ml	18.2	14.6	21.8	
	µmol/l	73.6	58.9	88.3	Roche Cobas C303/501/502/503/701
	µg/ml	17.1	13.7	20.5	
Phenytoin	µmol/l	74.1	59.3	88.9	Abbott Architect (PETINA)
	µg/ml	17.2	13.8	20.6	
	µmol/l	81.9	65.5	98.3	Siemens Atellica CH
	µg/ml	19.0	15.2	22.8	
	µmol/l	67.5	54.0	81.0	Abbott Alinity (PETINA)
	µg/ml	15.7	12.5	18.9	
	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	77.7	62.2	93.2	Siemens Centaur XP/XPT/Classic
	µg/ml	19.6	15.7	23.5	
	µmol/l	74.7	59.8	89.6	Siemens Dimension
	µg/ml	18.9	15.1	22.7	
	µmol/l	65.7	52.6	78.8	Siemens Immulite 2000/2500
	µg/ml	16.6	13.3	19.9	
	µmol/l	66.9	53.5	80.3	Roche Integra
	µg/ml	16.9	13.5	20.3	
	µmol/l	66.6	53.3	79.9	Roche Cobas 6000/8000
	µg/ml	16.8	13.5	20.1	
	µmol/l	66.6	53.3	79.9	Beckman DxC
	µg/ml	16.8	13.5	20.1	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Phenytoin	µmol/l	70.4	56.3	84.5	Beckman AU Instruments
	µg/ml	17.8	14.2	21.4	
	µmol/l	63.0	50.4	75.6	EMIT
	µg/ml	15.9	12.7	19.1	
	µmol/l	73.8	59.0	88.6	Siemens Atellica CH
	µg/ml	18.6	14.9	22.3	
	µmol/l	69.4	55.5	83.3	Abbott Alinity
	µg/ml	17.5	14.0	21.0	
	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	28.4	22.7	34.1	Abbott Architect
	ng/ml	8.89	7.11	10.7	
	nmol/l	40.8	32.6	49.0	BioMerieux Vidas
	ng/ml	12.8	10.2	15.4	
	nmol/l	24.3	19.4	29.2	Siemens Centaur XP/XPT/Classic
	ng/ml	7.61	6.07	9.15	
	nmol/l	25.9	20.7	31.1	Siemens Immulite 2000/2500
	ng/ml	8.11	6.48	9.74	
	nmol/l	30.0	24.0	36.0	Siemens Immulite 1000
	ng/ml	9.39	7.51	11.3	
	nmol/l	30.3	24.2	36.4	Beckman Dxl Prog Cal 33555
	ng/ml	9.48	7.57	11.4	
	nmol/l	31.6	25.3	37.9	Roche Elecsys (Prog. II)
	ng/ml	9.89	7.92	11.9	
	nmol/l	31.7	25.4	38.0	Beckman Access Prog Cal 33555
	ng/ml	9.92	7.95	11.9	
	nmol/l	36.8	29.4	44.2	Tosoh Series
	ng/ml	11.5	9.20	13.8	
	nmol/l	36.1	28.9	43.3	Vitros ECi
	ng/ml	11.3	9.05	13.6	
	nmol/l	32.1	25.7	38.5	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	10.0	8.04	12.0	
	nmol/l	33.1	26.5	39.7	Roche Cobas e601/602 (Prog. II)
	ng/ml	10.4	8.29	12.5	
	nmol/l	29.2	23.4	35.0	Diasorin Liaison
	ng/ml	9.14	7.32	11.0	
	nmol/l	25.9	20.7	31.1	Beckman Dxl Prog DE Cal A80773
	ng/ml	8.11	6.48	9.74	
	nmol/l	29.6	23.7	35.5	Beckman Access Prog DE Cal A80773
	ng/ml	9.26	7.42	11.1	
	nmol/l	23.7	19.0	28.4	Siemens Centaur CP
	ng/ml	7.42	5.95	8.89	
	nmol/l	33.0	26.4	39.6	Roche Cobas e601/602 (Prog. III)
	ng/ml	10.3	8.26	12.3	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	32.2	25.8	38.6	Roche Elecsys (Prog. III)
	ng/ml	10.1	8.08	12.1	
	nmol/l	32.6	26.1	39.1	Roche Cobas 4000/e411 (Prog. III)
	ng/ml	10.2	8.17	12.2	
	nmol/l	27.8	22.2	33.4	Diasorin Liaison XL
	ng/ml	8.70	6.95	10.5	
	nmol/l	27.2	21.8	32.6	Abbott Alinity i
	ng/ml	8.51	6.82	10.2	
	nmol/l	33.0	26.4	39.6	Roche Cobas e801 (Prog. III)
	ng/ml	10.3	8.26	12.3	
Prolactin	nmol/l	36.3	29.0	43.6	Tosoh AIA-CL Series
	ng/ml	11.4	9.08	13.7	
	nmol/l	24.9	19.9	29.9	Siemens Atellica IM
	ng/ml	7.79	6.23	9.36	
	µU/ml	675	540	810	Abbott Architect
	µU/ml	784	627	941	BioMerieux Vidas
	µU/ml	550	440	660	Siemens Centaur XP/XPT/Classic
	µU/ml	591	473	709	Siemens Immulite 2000/2500
	µU/ml	674	539	809	Siemens Immulite 1000
	µU/ml	559	447	671	Beckman Dxl800
	µU/ml	635	508	762	Roche Elecsys
	µU/ml	635	508	762	Diasorin Liaison
	µU/ml	589	471	707	Beckman Access
	µU/ml	643	514	772	Tosoh Series
	µU/ml	582	466	698	Vitros ECI
	µU/ml	620	496	744	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	675	540	810	Immunotech IRMA
	µU/ml	646	517	775	Roche Cobas 4000/E411
	µU/ml	618	494	742	Roche Cobas e601/602
	µU/ml	745	596	894	Fujirebio Lumipulse G Series
PSA Free	µU/ml	543	434	652	Siemens Centaur CP
	µU/ml	713	570	856	Diasorin Liaison XL
	µU/ml	551	441	661	Siemens Atellica IM
	µU/ml	700	560	840	Abbott Alinity i
	µU/ml	614	491	737	Roche Cobas e801 PRL II
	ng/ml = µg/l	11.8	8.85	14.8	Abbott Architect
	ng/ml = µg/l	12.1	9.08	15.1	BioMerieux Vidas
	ng/ml = µg/l	9.69	7.27	12.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	10.6	7.95	13.3	Siemens Immulite 2000/2500
	ng/ml = µg/l	11.0	8.25	13.8	Siemens Immulite 1000
	ng/ml = µg/l	10.3	7.73	12.9	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	7.56	5.67	9.45	Roche Elecsys
	ng/ml = µg/l	9.23	6.92	11.5	Diasorin Liaison
	ng/ml = µg/l	10.3	7.73	12.9	Beckman Access standardised to Hybritech
	ng/ml = µg/l	7.58	5.69	9.48	Tosoh Series

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
PSA Free	ng/ml = µg/l	7.56	5.67	9.45	Roche Cobas 4000/E411
	ng/ml = µg/l	7.46	5.60	9.33	Roche Cobas e601/602
	ng/ml = µg/l	9.37	7.03	11.7	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	10.2	7.65	12.8	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	6.78	5.09	8.48	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	8.61	6.46	10.8	Fujirebio Lumipulse G Series
	ng/ml = µg/l	8.46	6.35	10.6	Diasorin Liaison XL
	ng/ml = µg/l	10.1	7.58	12.6	Siemens Atellica IM
	ng/ml = µg/l	11.4	8.55	14.3	Abbott Alinity i
	ng/ml = µg/l	7.24	5.43	9.05	Roche Cobas e402/e801
PSA Total	ng/ml = µg/l	7.52	5.64	9.40	Abbott Architect
	ng/ml = µg/l	10.8	8.10	13.5	BioMerieux Vidas
	ng/ml = µg/l	10.7	8.03	13.4	bioMerieux VIDAS TPSA
	ng/ml = µg/l	9.46	7.10	11.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	10.9	8.18	13.6	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	10.9	8.18	13.6	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	11.7	8.78	14.6	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	9.48	7.11	11.9	Beckman Dxl standardised to Hybritech
	ng/ml = µg/l	7.93	5.95	9.91	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	9.71	7.28	12.1	Roche Elecsys
	ng/ml = µg/l	9.06	6.80	11.3	Diasorin Liaison
	ng/ml = µg/l	9.77	7.33	12.2	Beckman Access standardised to Hybritech
	ng/ml = µg/l	9.51	7.13	11.9	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	7.69	5.77	9.61	Tosoh Series
	ng/ml = µg/l	9.89	7.42	12.4	Vitros ECI
	ng/ml = µg/l	11.1	8.33	13.9	CIS RIA Coated tube
	ng/ml = µg/l	9.92	7.44	12.4	Roche Cobas 4000/E411
	ng/ml = µg/l	9.68	7.26	12.1	Roche Cobas e601/602
	ng/ml = µg/l	18.2	13.7	22.8	Monobind Inc. ELISA / CLIA
	ng/ml = µg/l	7.46	5.60	9.33	Fujirebio Lumipulse G Series
	ng/ml = µg/l	9.82	7.37	12.3	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	8.96	6.72	11.2	Siemens Centaur CP
	ng/ml = µg/l	9.59	7.19	12.0	Diasorin Liaison XL
	ng/ml = µg/l	10.1	7.58	12.6	Siemens Atellica IM
	ng/ml = µg/l	7.58	5.69	9.48	Abbott Alinity i
	ng/ml = µg/l	9.36	7.02	11.7	Roche Cobas e402/e801
Salicylic Acid	mmol/l	1.15	0.920	1.38	Abbott Architect
	mg/dl	15.9	12.7	19.1	
	mmol/l	1.16	0.928	1.39	Roche Cobas c501/502/503
	mg/dl	16.0	12.8	19.2	
	mmol/l	1.20	0.960	1.44	EMIT
	mg/dl	16.6	13.3	19.9	
	mmol/l	1.22	0.980	1.46	Gravimetric
SHBG	nmol/l	39.2	31.4	47.0	Siemens Immulite 1000
	nmol/l	39.4	31.5	47.3	Siemens Immulite 2000/2500

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
SHBG	nmol/l	41.8	33.4	50.2	Abbott Architect
	nmol/l	43.6	34.9	52.3	Beckman Access
	nmol/l	40.2	32.2	48.2	Beckman Dxl800
	nmol/l	38.5	30.8	46.2	Siemens Atellica IM
	nmol/l	39.0	31.2	46.8	Roche analysers - 413417/15
	nmol/l	37.2	29.8	44.6	Roche Cobas e801 - 413429
	nmol/l	40.9	32.7	49.1	Abbott Alinity i
T Uptake	%U	33.6	27.6	39.6	Siemens Immulite 2000
Testosterone	nmol/l	12.3	9.84	14.8	Abbott Architect
	ng/ml	3.54	2.83	4.25	
	ng/dl	354	283	425	
	nmol/l	11.0	8.80	13.2	BioMerieux Vidas
	ng/ml	3.17	2.53	3.81	
	ng/dl	317	253	381	
	nmol/l	12.8	10.2	15.4	Siemens Centaur XP/XPT/Classic
	ng/ml	3.69	2.94	4.44	
	ng/dl	369	294	444	
	nmol/l	11.7	9.36	14.0	CIS RIA Coated tube
	ng/ml	3.37	2.70	4.04	
	ng/dl	337	270	404	
	nmol/l	14.1	11.3	16.9	Siemens Immulite 2000/2500
	ng/ml	4.06	3.25	4.87	
	ng/dl	406	325	487	
	nmol/l	11.0	8.80	13.2	Beckman Dxl800
	ng/ml	3.17	2.53	3.81	
	ng/dl	317	253	381	
	nmol/l	12.0	9.60	14.4	Beckman Access
	ng/ml	3.46	2.76	4.16	
	ng/dl	346	276	416	
	nmol/l	14.6	11.7	17.5	Tosoh Series
	ng/ml	4.20	3.37	5.03	
	ng/dl	420	337	503	
	nmol/l	15.9	12.7	19.1	Vitros ECI
	ng/ml	4.58	3.66	5.50	
	ng/dl	458	366	550	
	nmol/l	12.9	10.3	15.5	Roche Cobas e601/602 Test II
	ng/ml	3.72	2.97	4.47	
	ng/dl	372	297	447	
	nmol/l	12.6	10.1	15.1	Roche Elecsys Test II
	ng/ml	3.63	2.91	4.35	
	ng/dl	363	291	435	
	nmol/l	12.7	10.2	15.2	Roche Cobas 4000/e411 Test II
	ng/ml	3.66	2.94	4.38	
	ng/dl	366	294	438	
	nmol/l	12.3	9.84	14.8	Abbott Architect 2nd Generation
	ng/ml	3.54	2.83	4.25	
	ng/dl	354	283	425	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	11.2	8.96	13.4	Siemens Centaur CP
	ng/ml	3.23	2.58	3.88	
	ng/dl	323	258	388	
	nmol/l	11.3	9.04	13.6	BioMerieux Vidas Testosterone II
	ng/ml	3.25	2.60	3.90	
	ng/dl	325	260	390	
	nmol/l	12.5	10.0	15.0	Siemens Centaur TST II
	ng/ml	3.60	2.88	4.32	
	ng/dl	360	288	432	
	nmol/l	7.11	5.69	8.53	Diasorin Liaison XL
	ng/ml	2.05	1.64	2.46	
	ng/dl	205	164	246	
	nmol/l	12.2	9.76	14.6	Siemens Atellica IM
	ng/ml	3.51	2.81	4.21	
	ng/dl	351	281	421	
	nmol/l	12.7	10.2	15.2	Roche Cobas e801 Test II
	ng/ml	3.66	2.94	4.38	
	ng/dl	366	294	438	
	nmol/l	17.2	13.8	20.6	Tosoh AIA-CL Series
	ng/ml	4.95	3.97	5.93	
	ng/dl	495	397	593	
	nmol/l	12.4	9.92	14.9	Abbott Alinity i
	ng/ml	3.57	2.86	4.28	
	ng/dl	357	286	428	
Theophylline	µmol/l	82.9	66.3	99.0	Siemens Centaur XP/XPT/Classic
	µg/ml	14.9	11.9	17.9	
	µmol/l	83.8	67.0	101	Roche Integra
	µg/ml	15.1	12.1	18.1	
	µmol/l	70.7	56.6	84.8	Abbott Architect (CMIA)
	µg/ml	12.7	10.2	15.2	
	µmol/l	80.0	64.0	96.0	Roche Cobas 6000/8000
	µg/ml	14.4	11.5	17.3	
	µmol/l	83.5	66.8	100	Beckman DxC
	µg/ml	15.0	12.0	18.0	
	µmol/l	77.2	61.8	92.6	Beckman AU400/600/640/2700/5400
	µg/ml	13.9	11.1	16.7	
	µmol/l	77.3	61.8	92.8	Abbott Alinity Enzyme-Immu
	µg/ml	13.9	11.1	16.7	
	µmol/l	83.8	67.0	101	Gravimetric
	µg/ml	15.1	12.1	18.2	
Thyroglobulin	ng/ml	14.7	11.0	18.4	Siemens Immulite 1000
	ng/ml	14.9	11.2	18.6	Siemens Immulite 2000
	ng/ml	36.7	27.5	45.9	Roche Elecsys
	ng/ml	30.8	23.1	38.5	Beckman Dxl800
	ng/ml	36.2	27.2	45.3	Roche Cobas 4000/E411

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Thyroglobulin	ng/ml	35.8	26.9	44.8	Roche Cobas e601/602
	ng/ml	32.0	24.0	40.0	Beckman Access
	ng/ml	39.5	29.6	49.4	Abbott Architect 2000i
	ng/ml	35.2	26.4	44.0	Tosoh Series
	ng/ml	35.6	26.7	44.5	Roche Cobas e601/602 Tg II
	ng/ml	36.3	27.2	45.4	Roche Elecsys TGII
	ng/ml	36.4	27.3	45.5	Roche Cobas 4000/E411 TGII
	ng/ml	37.2	27.9	46.5	Diasorin Liaison XL
	ng/ml	34.8	26.1	43.5	Roche Cobas e801 Tg II
	ng/ml	37.7	28.3	47.1	DiaSorin Liaison TG II Gen
	ng/ml	39.4	29.6	49.3	DiaSorin Liaison XL TG II Gen
	ng/ml	38.0	28.5	47.5	Abbott Alinity i
Thyroid Stimulating Hormone	µU/ml = mIU/l	1.74	1.39	2.09	Abbott Architect
	µU/ml = mIU/l	2.02	1.62	2.42	bioMerieux VIDAS TSH
	µU/ml = mIU/l	1.85	1.48	2.22	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.13	1.70	2.56	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	2.67	2.14	3.20	CIS IRMA
	µU/ml = mIU/l	2.18	1.74	2.62	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	2.09	1.67	2.51	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.01	1.61	2.41	Siemens Immulite 1000
	µU/ml = mIU/l	1.92	1.54	2.30	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	1.98	1.58	2.38	Beckman Dxl800
	µU/ml = mIU/l	2.33	1.86	2.80	Roche Elecsys
	µU/ml = mIU/l	2.71	2.17	3.25	Diasorin Liaison
	µU/ml = mIU/l	1.98	1.58	2.38	Beckman Access Fast TSH
	µU/ml = mIU/l	2.00	1.60	2.40	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.18	1.74	2.62	Tosoh Series
	µU/ml = mIU/l	2.15	1.72	2.58	Vitros ECI
	µU/ml = mIU/l	2.34	1.87	2.81	Roche Cobas 4000/E411
	µU/ml = mIU/l	2.34	1.87	2.81	Roche Cobas e601/602
	µU/ml = mIU/l	2.25	1.80	2.70	ELISA
	µU/ml = mIU/l	1.92	1.54	2.30	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.07	1.66	2.48	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	1.97	1.58	2.36	Siemens Centaur CP
	µU/ml = mIU/l	1.96	1.57	2.35	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	1.97	1.58	2.36	Beckman Dxl 600/800 Access (3rd IS)
	µU/ml = mIU/l	2.95	2.36	3.54	Diasorin Liaison XL
	µU/ml = mIU/l	2.09	1.67	2.51	Siemens Atellica IM
	µU/ml = mIU/l	1.76	1.41	2.11	Abbott Alinity i
	µU/ml = mIU/l	2.20	1.76	2.64	Roche Cobas e402/e801
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	22.5	18.0	27.0	BioMerieux Vidas
	IU/ml	0.023	0.018	0.028	
	mU/ml=IU/l	15.6	12.5	18.7	Siemens Centaur XP/XPT/Classic
	IU/ml	0.016	0.013	0.019	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	25.1	20.1	30.1	Siemens Dimension
	IU/ml	0.025	0.020	0.030	
	mU/ml=IU/l	30.6	24.5	36.7	Siemens Immulite 2000
	IU/ml	0.031	0.025	0.037	
	mU/ml=IU/l	31.7	25.4	38.0	Siemens Immulite 1000
	IU/ml	0.032	0.025	0.039	
	mU/ml=IU/l	16.4	13.1	19.7	Beckman Dxl800
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	13.0	10.4	15.6	Diasorin Liaison
	IU/ml	0.013	0.010	0.016	
	mU/ml=IU/l	15.5	12.4	18.6	Roche Cobas Core EIA
	IU/ml	0.016	0.012	0.020	
	mU/ml=IU/l	16.0	12.8	19.2	Beckman Access
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	23.5	18.8	28.2	Tosoh Series
	IU/ml	0.024	0.019	0.029	
	mU/ml=IU/l	25.4	20.3	30.5	Vitros ECI
	IU/ml	0.025	0.020	0.030	
	mU/ml=IU/l	13.1	10.5	15.7	Roche hCG STAT (Intact)
	IU/ml	0.013	0.011	0.015	
	mU/ml=IU/l	15.9	12.7	19.1	Roche hCG+Beta
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	12.8	10.2	15.4	Fujirebio Lumipulse G Series
	IU/ml	0.013	0.010	0.016	
	mU/ml=IU/l	15.8	12.6	19.0	Beckman Access Total BhCG (5th IS)
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	16.2	13.0	19.4	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	16.1	12.9	19.3	Siemens Centaur CP
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	14.0	11.2	16.8	Diasorin Liaison XL
	IU/ml	0.014	0.011	0.017	
	mU/ml=IU/l	16.6	13.3	19.9	Siemens Atellica IM
	IU/ml	0.017	0.013	0.021	
	mU/ml=IU/l	14.6	11.7	17.5	Abbott Alinity i
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	15.7	12.6	18.8	Roche hCG+Beta e801
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	28.9	23.1	34.7	Tosoh AIA-CL Series
	IU/ml	0.029	0.023	0.035	
Total T3	nmol/l	3.01	2.26	3.76	Abbott Architect
	ng/ml	1.96	1.47	2.45	
	ng/dl	196	147	245	
	nmol/l	3.49	2.62	4.36	BioMerieux Vidas
	ng/ml	2.27	1.71	2.83	
	ng/dl	227	171	283	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	3.70	2.78	4.63	Siemens Centaur XP/XPT/Classic
	ng/ml	2.41	1.81	3.01	
	ng/dl	241	181	301	
	nmol/l	3.15	2.36	3.94	Siemens Immulite 2000/2500
	ng/ml	2.05	1.54	2.56	
	ng/dl	205	154	256	
	nmol/l	2.84	2.13	3.55	Siemens Immulite 1000
	ng/ml	1.85	1.39	2.31	
	ng/dl	185	139	231	
	nmol/l	3.23	2.42	4.04	Beckman Dxl800
	ng/ml	2.10	1.58	2.62	
	ng/dl	210	158	262	
	nmol/l	3.70	2.78	4.63	Roche Elecsys
	ng/ml	2.41	1.81	3.01	
	ng/dl	241	181	301	
	nmol/l	3.39	2.54	4.24	Beckman Access
	ng/ml	2.21	1.65	2.77	
	ng/dl	221	165	277	
	nmol/l	3.34	2.51	4.18	Tosoh Series
	ng/ml	2.17	1.63	2.71	
	ng/dl	217	163	271	
	nmol/l	3.93	2.95	4.91	Vitros ECI
	ng/ml	2.56	1.92	3.20	
	ng/dl	256	192	320	
	nmol/l	2.41	1.81	3.01	CIS RIA Coated tube
	ng/ml	1.57	1.18	1.96	
	ng/dl	157	118	196	
	nmol/l	3.57	2.68	4.46	Roche Cobas 4000/E411
	ng/ml	2.32	1.74	2.90	
	ng/dl	232	174	290	
	nmol/l	2.73	2.05	3.41	Immunotech RIA
	ng/ml	1.78	1.33	2.23	
	ng/dl	178	133	223	
	nmol/l	3.57	2.68	4.46	Roche Cobas e601/602
	ng/ml	2.32	1.74	2.90	
	ng/dl	232	174	290	
	nmol/l	3.94	2.96	4.93	Siemens Centaur CP
	ng/ml	2.56	1.93	3.19	
	ng/dl	256	193	319	
	nmol/l	2.38	1.79	2.98	Diasorin Liaison XL
	ng/ml	1.55	1.17	1.93	
	ng/dl	155	117	193	
	nmol/l	3.08	2.31	3.85	Abbott Alinity i
	ng/ml	2.01	1.50	2.52	
	ng/dl	201	150	252	
	nmol/l	3.72	2.79	4.65	Siemens Atellica IM
	ng/ml	2.42	1.82	3.02	
	ng/dl	242	182	302	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	3.88	2.91	4.85	Roche Cobas e402/e801
	ng/ml	2.53	1.89	3.17	
	ng/dl	253	189	317	
	nmol/l	3.31	2.48	4.14	Tosoh AIA-CL Series
	ng/ml	2.15	1.61	2.69	
	ng/dl	215	161	269	
Total T4	nmol/l	109	81.8	136	Abbott Architect
	µg/dl	8.50	6.38	10.6	
	ng/ml	85.0	63.8	106	
	nmol/l	119	89.3	149	BioMerieux Vidas
	µg/dl	9.28	6.97	11.6	
	ng/ml	92.8	69.7	116	
	nmol/l	114	85.5	143	Siemens Centaur XP/XPT/Classic
	µg/dl	8.89	6.67	11.1	
	ng/ml	88.9	66.7	111	
	nmol/l	111	83.3	139	Siemens Immulite 2000/2500
	µg/dl	8.66	6.50	10.8	
	ng/ml	86.6	65.0	108	
	nmol/l	108	81.0	135	Siemens Immulite 1000
	µg/dl	8.42	6.32	10.5	
	ng/ml	84.2	63.2	105	
	nmol/l	114	85.5	143	Beckman Dxl800
	µg/dl	8.89	6.67	11.1	
	ng/ml	88.9	66.7	111	
	nmol/l	108	81.0	135	Roche Elecsys
	µg/dl	8.42	6.32	10.5	
	ng/ml	84.2	63.2	105	
	nmol/l	116	87.0	145	Beckman Access
	µg/dl	9.05	6.79	11.3	
	ng/ml	90.5	67.9	113	
	nmol/l	109	81.8	136	Tosoh Series
	µg/dl	8.50	6.38	10.6	
	ng/ml	85.0	63.8	106	
	nmol/l	112	84.0	140	Vitros ECi
	µg/dl	8.74	6.55	10.9	
	ng/ml	87.4	65.5	109	
	nmol/l	108	81.0	135	CIS RIA Coated tube
	µg/dl	8.42	6.32	10.5	
	ng/ml	84.2	63.2	105	
	nmol/l	106	79.5	133	Roche Cobas 4000/E411
	µg/dl	8.27	6.20	10.3	
	ng/ml	82.7	62.0	103	
	nmol/l	104	78.0	130	Roche Cobas e601/602
	µg/dl	8.11	6.08	10.1	
	ng/ml	81.1	60.8	101	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	84.5	63.4	106	Immunotech IRMA
	µg/dl	6.59	4.95	8.23	
	ng/ml	65.9	49.5	82.3	
	nmol/l	123	92.3	154	Siemens Centaur CP
	µg/dl	9.59	7.20	12.0	
	ng/ml	95.9	72.0	120	
	nmol/l	92.5	69.4	116	Diasorin Liaison XL
	µg/dl	7.22	5.41	9.03	
	ng/ml	72.2	54.1	90.3	
	nmol/l	108	81.0	135	Abbott Alinity i
	µg/dl	8.42	6.32	10.5	
	ng/ml	84.2	63.2	105	
	nmol/l	123	92.3	154	Siemens Atellica IM
	µg/dl	9.59	7.20	12.0	
	ng/ml	95.9	72.0	120	
	nmol/l	104	78.0	130	Roche Cobas e402/e801
	µg/dl	8.11	6.08	10.1	
	ng/ml	81.1	60.8	101	
	nmol/l	125	93.8	156	Tosoh AIA-CL Series
	µg/dl	9.75	7.32	12.2	
	ng/ml	97.5	73.2	122	
Valproic Acid	µmol/l	529	423	635	Abbott Architect (CMIA)
	µg/ml	76.3	61.0	91.6	
	µmol/l	568	454	682	Siemens Centaur XP/XPT/Classic
	µg/ml	82.0	65.5	98.5	
	µmol/l	533	426	640	Siemens Dimension
	µg/ml	76.9	61.5	92.3	
	µmol/l	548	438	658	Siemens Immulite 2000/2500
	µg/ml	79.1	63.2	95.0	
	µmol/l	525	420	630	Roche Integra
	µg/ml	75.8	60.6	91.0	
	µmol/l	547	438	656	Vitros
	µg/ml	78.9	63.2	94.6	
	µmol/l	540	432	648	Roche Cobas 6000/8000
	µg/ml	77.9	62.3	93.5	
	µmol/l	570	456	684	Beckman AU400/600/640/2700/5400
	µg/ml	82.3	65.8	98.8	
	µmol/l	543	434	652	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	78.4	62.6	94.2	
	µmol/l	512	410	614	Abbott Architect (PETINA)
	µg/ml	73.9	59.2	88.6	
	µmol/l	570	456	684	EMIT
	µg/ml	82.3	65.8	98.8	
	µmol/l	541	433	649	Siemens Atellica CH
	µg/ml	78.1	62.5	93.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	μmol/l	514	411	617	Abbott Alinity (CMIA)
	μg/ml	74.2	59.3	89.1	
	μmol/l	528	422	634	Abbott Alinity (PETINA)
	μg/ml	76.2	60.9	91.5	
	μmol/l	638	510	766	Gravimetric
	μg/ml	92.1	73.6	111	
Vancomycin	μmol/l	6.73	5.38	8.08	Roche Integra
	μg/ml	10.0	7.99	12.0	
	μmol/l	6.22	4.98	7.46	Ortho Vitros Microslide Systems
	μg/ml	9.24	7.40	11.1	
	μmol/l	8.14	6.51	9.77	Abbott Architect (CMIA)
	μg/ml	12.1	9.67	14.5	
	μmol/l	6.54	5.23	7.85	Siemens Centaur XP/XPT/Classic
	μg/ml	9.72	7.77	11.7	
	μmol/l	7.49	5.99	8.99	Siemens Dimension
	μg/ml	11.1	8.90	13.3	
	μmol/l	7.36	5.89	8.83	Roche Cobas 6000/8000
	μg/ml	10.9	8.75	13.1	
	μmol/l	7.13	5.70	8.56	Thermo Scientific QMS Vancomycin
	μg/ml	10.6	8.47	12.7	
	μmol/l	7.58	6.06	9.10	Abbott Architect (PETINA)
	μg/ml	11.3	9.00	13.6	
	μmol/l	7.39	5.91	8.87	Siemens Atellica CH
	μg/ml	11.0	8.78	13.2	
	μmol/l	7.69	6.15	9.23	Abbott Alinity (CMIA)
	μg/ml	11.4	9.14	13.7	
	μmol/l	7.34	5.87	8.81	Abbott Alinity (PETINA)
	μg/ml	10.9	8.72	13.1	
	μmol/l	7.10	5.68	8.52	Gravimetric
	μg/ml	10.5	8.44	12.7	
Vitamin B12	pmol/l	363	290	436	Abbott Architect
	pg/ml	492	393	591	
	pmol/l	401	321	481	Siemens Centaur XP/XPT/Classic
	pg/ml	543	435	651	
	pmol/l	376	301	451	Siemens Immulite 2000
	pg/ml	509	408	610	
	pmol/l	300	240	360	Beckman DxI800
	pg/ml	407	325	489	
	pmol/l	416	333	499	Roche Elecsys
	pg/ml	564	451	677	
	pmol/l	314	251	377	Beckman Access
	pg/ml	425	340	510	
	pmol/l	508	406	610	Tosoh Series
	pg/ml	688	550	826	
	pmol/l	423	338	508	Vitros ECI
	pg/ml	573	458	688	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2107EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	366	293	439	Siemens Dimension
	pg/ml	496	397	595	
	pmol/l	413	330	496	Siemens Centaur CP
	pg/ml	560	447	673	
	pmol/l	406	325	487	Roche Cobas 4000/e411 Gen II
	pg/ml	550	440	660	
	pmol/l	430	344	516	Roche Cobas e601/602 Gen II
	pg/ml	583	466	700	
	pmol/l	328	262	394	Diasorin Liaison XL
	pg/ml	444	355	533	
	pmol/l	413	330	496	Siemens Atellica IM
	pg/ml	560	447	673	
	pmol/l	360	288	432	Abbott Alinity i
	pg/ml	488	390	586	
	pmol/l	422	338	506	Roche Cobas e801 Gen II
	pg/ml	572	458	686	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

CAT. NO.	IA3111	GTIN:	05055273207279	SIZE	12 x 5 ml
CAT. NO.	IA3112	GTIN:	05055273207286	SIZE	4 x 5 ml
LOT NO.	2147EC	EXPIRY:	2024-10-28		

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. 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 3: 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. 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.



Randox Teoranta, Meenmore,
Dungloe, Donegal,
F94 TV06, Ireland

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IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	30.4	22.8	38.0	ELISA
	ng/ml	10.1	7.55	12.7	
	nmol/l	22.8	17.1	28.5	DIAsource RIA
	ng/ml	7.55	5.66	9.44	
25-OH Vitamin D	nmol/l	100	75.0	125	Diasorin Liaison
	nmol/l	126	94.5	158	Siemens Centaur XP/XPT/Classic
	nmol/l	85.3	64.0	107	Roche Vitamin D Total
	nmol/l	98.9	74.2	124	Abbott Architect (3L52)
	nmol/l	113	84.8	141	Vitros ECI
	nmol/l	83.8	62.9	105	Tosoh Series
	nmol/l	92.6	69.5	116	BioMerieux Vidas
	nmol/l	80.9	60.7	101	Beckman Dxl 600/800
	nmol/l	111	83.3	139	Fujirebio Lumipulse G Series
	nmol/l	81.1	60.8	101	Beckman Access 25 OH Vitamin D Total
	nmol/l	112	84.0	140	LC/MS
	nmol/l	98.5	73.9	123	Abbott Architect (5P02)/ Alinity (8P45)
	nmol/l	102	76.5	128	Diasorin Liaison XL
	nmol/l	103	77.3	129	Roche Vitamin D Total II
	nmol/l	104	78.0	130	Abbott Alinity i
	nmol/l	131	98.3	164	Siemens Atellica IM
	nmol/l	99.0	74.3	124	Roche Vitamin D Total II e801
ACTH	pmol/l	55.6	41.7	69.5	Siemens Immulite 2000/2500
	pg/ml	253	190	316	
	pmol/l	43.9	32.9	54.9	Roche Cobas 4000/E411
	pg/ml	200	150	250	
	pmol/l	43.2	32.4	54.0	Roche Cobas e601/602
	pg/ml	196	147	245	
	pmol/l	102	76.5	128	CIS IRMA
	pg/ml	464	348	580	
	pmol/l	56.1	42.1	70.1	Diasorin Liaison
	pg/ml	255	191	319	
Aldosterone	pmol/l	70.6	53.0	88.3	Diasorin Liaison XL
	pg/ml	321	241	401	
	pmol/l	46.3	34.7	57.9	Roche Cobas e402/e801
	pg/ml	210	158	262	
	pmol/l	363	272	454	CIS RIA
	pg/ml	131	98.1	164	
	pmol/l	1087	815	1359	Immunotech RIA
	pg/ml	392	294	490	
	pmol/l	758	569	948	Diasorin Liaison
	pg/ml	273	205	341	
	pmol/l	793	595	991	Diasorin Liaison XL
	pg/ml	286	215	357	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	170	136	204	Abbott Architect
	ng/ml	206	165	247	
	KIU/l = IU/ml	191	153	229	BioMerieux Vidas
	ng/ml	231	185	277	
	KIU/l = IU/ml	192	154	230	Siemens Centaur XP/XPT/Classic
	ng/ml	232	186	278	
	KIU/l = IU/ml	173	138	208	Siemens Immulite 2000/2500
	ng/ml	209	167	251	
	KIU/l = IU/ml	184	147	221	Siemens Immulite 1000
	ng/ml	223	178	268	
	KIU/l = IU/ml	163	130	196	Beckman Dxl800
	ng/ml	197	157	237	
	KIU/l = IU/ml	185	148	222	Roche Elecsys
	ng/ml	224	179	269	
	KIU/l = IU/ml	183	146	220	Diasorin Liaison
	ng/ml	221	177	265	
	KIU/l = IU/ml	172	138	206	Beckman Access
	ng/ml	208	167	249	
	KIU/l = IU/ml	162	130	194	Tosoh Series
	ng/ml	196	157	235	
	KIU/l = IU/ml	191	153	229	Vitros Eci
	ng/ml	199	159	239	
	KIU/l = IU/ml	191	153	229	Roche Cobas e601/602
	ng/ml	231	185	277	
	KIU/l = IU/ml	303	242	364	CIS IRMA
	ng/ml	367	293	441	
	KIU/l = IU/ml	194	155	233	Roche Cobas 4000/E411
	ng/ml	235	188	282	
	KIU/l = IU/ml	184	147	221	Fujirebio Lumipulse G Series
	ng/ml	223	178	268	
	KIU/l = IU/ml	189	151	227	Siemens Dimension
	ng/ml	229	183	275	
	KIU/l = IU/ml	191	153	229	Siemens Centaur CP
	ng/ml	231	185	277	
	KIU/l = IU/ml	192	154	230	Diasorin Liaison XL
	ng/ml	232	186	278	
	KIU/l = IU/ml	190	152	228	Siemens Atellica IM
	ng/ml	230	184	276	
	KIU/l = IU/ml	169	135	203	Abbott Alinity i
	ng/ml	204	163	245	
	KIU/l = IU/ml	186	149	223	Roche Cobas e402/e801
	ng/ml	225	180	270	
Amikacin	µmol/l	23.1	18.5	27.7	Roche Cobas 6000/8000
	µg/ml	13.5	10.8	16.2	
	µmol/l	24.8	19.8	29.8	Abbott Architect
	µg/ml	14.5	11.6	17.4	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Amikacin	µmol/l	24.3	19.4	29.2	Thermo Scientific QMS Amikacin
	µg/ml	14.2	11.4	17.0	
	µmol/l	24.5	19.6	29.4	Abbott Alinity
	µg/ml	14.3	11.5	17.1	
	µmol/l	24.1	19.3	28.9	Gravimetric
	µg/ml	14.1	11.3	16.9	
Androstenedione	nmol/l	16.9	12.7	21.1	Beckman Coulter RIA
	ng/ml	4.85	3.64	6.06	
	nmol/l	33.8	25.4	42.3	Siemens Immulite 2000
	ng/ml	9.70	7.29	12.1	
	nmol/l	28.7	21.5	35.9	Siemens Immulite 1000
	ng/ml	8.24	6.17	10.3	
	nmol/l	24.4	18.3	30.5	Diasorin Liaison XL
	ng/ml	7.00	5.25	8.75	
Beta-2-microglobulin	µg/ml = mg/l	6.59	5.27	7.91	Abbott Architect
	µg/ml = mg/l	7.09	5.67	8.51	BioMerieux Vidas
	µg/ml = mg/l	6.39	5.11	7.67	Behring Nephelometer
	µg/ml = mg/l	5.43	4.34	6.52	Siemens Immulite 2000/2500
	µg/ml = mg/l	7.22	5.78	8.66	Tosoh Series
	µg/ml = mg/l	6.33	5.06	7.60	Roche Cobas 6000/8000
	µg/ml = mg/l	6.81	5.45	8.17	Siemens Dimension
	µg/ml = mg/l	5.20	4.16	6.24	Fujirebio Lumipulse G Series
	µg/ml = mg/l	5.76	4.61	6.91	Diasorin Liaison XL
	µg/ml = mg/l	7.40	5.92	8.88	Siemens Atellica CH
	µg/ml = mg/l	6.66	5.33	7.99	Abbott Alinity
C-Peptide	nmol/l	3.570	2.680	4.460	Siemens Immulite 2000/2500
	ng/ml	10.8	8.09	13.5	
	nmol/l	3.570	2.680	4.460	Roche Elecsys
	ng/ml	10.8	8.09	13.5	
	nmol/l	3.590	2.690	4.490	Roche Cobas e601/602
	ng/ml	10.8	8.12	13.5	
	nmol/l	3.570	2.680	4.460	Diasorin Liaison
	ng/ml	10.8	8.09	13.5	
	nmol/l	3.580	2.690	4.480	Roche Cobas 4000/E411
	ng/ml	10.8	8.12	13.5	
	nmol/l	3.250	2.440	4.060	Abbott Architect
	ng/ml	9.81	7.37	12.3	
	nmol/l	2.590	1.940	3.240	Siemens Centaur XP/XPT/Classic
	ng/ml	7.82	5.86	9.78	
	nmol/l	3.300	2.480	4.130	Tosoh Series
	ng/ml	9.96	7.49	12.4	
	nmol/l	4.070	3.050	5.090	Diasorin Liaison XL
	ng/ml	12.3	9.21	15.4	
	nmol/l	3.440	2.580	4.300	Roche Cobas e402/e801
	ng/ml	10.4	7.79	13.0	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
C-Peptide	nmol/l	2.500	1.880	3.130	Siemens Atellica IM
	ng/ml	7.55	5.68	9.42	
	nmol/l	3.170	2.380	3.960	Abbott Alinity i
	ng/ml	9.57	7.19	12.0	
	nmol/l	3.260	2.445	4.075	Vitros ECI
	ng/ml	9.84	7.38	12.3	
CA 15-3	U/ml	96.1	76.9	115	Abbott Architect
	U/ml	65.9	52.7	79.1	BioMerieux Vidas
	U/ml	72.0	57.6	86.4	Siemens Centaur XP/XPT/Classic
	U/ml	78.5	62.8	94.2	Siemens Immulite 2000/2500
	U/ml	87.1	69.7	105	Siemens Immulite 1000
	U/ml	32.9	26.3	39.5	Beckman Dxl800
	U/ml	80.1	64.1	96.1	Roche Elecsys
	U/ml	32.6	26.1	39.1	Beckman Access
	U/ml	84.3	67.4	101	Tosoh Series
	U/ml	70.5	56.4	84.6	Vitros ECI
	U/ml	81.7	65.4	98.0	Roche Cobas e601/602
	U/ml	81.0	64.8	97.2	Roche Cobas 4000/E411
	U/ml	87.3	69.8	105	Fujirebio Lumipulse G Series
	U/ml	71.2	57.0	85.4	Siemens Centaur CP
	U/ml	79.4	63.5	95.3	Diasorin Liaison XL
	U/ml	78.0	62.4	93.6	Siemens Atellica IM
	U/ml	75.5	60.4	90.6	Roche Cobas e402/e801
	U/ml	91.3	73.0	110	Abbott Alinity i
CA 19-9	U/ml	185	148	222	BioMerieux Vidas
	U/ml	228	182	274	Siemens Centaur XP/XPT/Classic
	U/ml	632	506	758	Siemens Immulite 2000/2500
	U/ml	790	632	948	Siemens Immulite 1000
	U/ml	560	448	672	Beckman Dxl800
	U/ml	169	135	203	Roche Elecsys
	U/ml	276	221	331	Diasorin Liaison
	U/ml	630	504	756	Beckman Access
	U/ml	127	102	152	Tosoh Series
	U/ml	325	260	390	Vitros ECI
	U/ml	349	279	419	Abbott Architect XR/XR2/XRL
	U/ml	168	134	202	Roche Cobas e601/602
	U/ml	170	136	204	Roche Cobas 4000/E411
	U/ml	316	253	379	Fujirebio Lumipulse G Series
	U/ml	208	166	250	Siemens Centaur CP
	U/ml	292	234	350	Diasorin Liaison XL
	U/ml	223	178	268	Siemens Atellica IM
	U/ml	164	131	197	Roche Cobas e402/e801
	U/ml	352	282	422	Abbott Alinity XR/XR2/XRL
CA125	U/ml	255	204	306	Abbott Architect
	U/ml	200	160	240	BioMerieux Vidas
	U/ml	206	165	247	Siemens Centaur XP/XPT/Classic OV Kit

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
CA125	U/ml	210	168	252	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	173	138	208	Siemens Immulite 2000/2500
	U/ml	196	157	235	Siemens Immulite 1000
	U/ml	167	134	200	Beckman Dxl800
	U/ml	183	146	220	Roche Elecsys
	U/ml	169	135	203	Beckman Access
	U/ml	310	248	372	Tosoh Series
	U/ml	196	157	235	Vitros ECI
	U/ml	189	151	227	Roche Cobas 4000/E411
	U/ml	187	150	224	Roche Cobas e601/602
	U/ml	170	136	204	Fujirebio Lumipulse G Series
	U/ml	207	166	248	Siemens Centaur CP CA125 II kit
	U/ml	262	210	314	Diasorin Liaison XL
	U/ml	242	194	290	Siemens Atellica IM
	U/ml	179	143	215	Roche Cobas e402/e801
	U/ml	265	212	318	Abbott Alinity i
Carbamazepine	µmol/l	72.0	57.6	86.4	Abbott Architect (CMIA)
	µg/ml	17.0	13.6	20.4	
	µmol/l	71.7	57.4	86.0	Siemens Centaur XP/XPT/Classic
	µg/ml	16.9	13.6	20.2	
	µmol/l	65.8	52.6	79.0	Siemens Dimension
	µg/ml	15.6	12.4	18.8	
	µmol/l	63.2	50.6	75.8	Siemens Immulite 2000/2500
	µg/ml	14.9	12.0	17.8	
	µmol/l	60.6	48.5	72.7	Siemens Immulite 1000
	µg/ml	14.3	11.5	17.1	
	µmol/l	80.6	64.5	96.7	Roche Integra
	µg/ml	19.1	15.2	23.0	
	µmol/l	71.2	57.0	85.4	Roche Cobas 6000/8000
	µg/ml	16.8	13.5	20.1	
	µmol/l	70.7	56.6	84.8	Beckman AU400/600/640/2700/5400
	µg/ml	16.7	13.4	20.0	
	µmol/l	56.8	45.4	68.2	Abbott Architect (PETINA)
	µg/ml	13.4	10.7	16.1	
	µmol/l	70.7	56.6	84.8	EMIT
	µg/ml	16.7	13.4	20.0	
Carcinoembryonic Antigen (CEA)	µmol/l	67.9	54.3	81.5	Siemens Atellica CH
	µg/ml	16.1	12.8	19.4	
	µmol/l	59.1	47.3	70.9	Abbott Alinity (PETINA)
	µg/ml	14.0	11.2	16.8	
	µmol/l	72.2	57.8	86.6	Gravimetric
	µg/ml	17.1	13.7	20.5	
	ng/ml = µg/l	73.0	58.4	87.6	Abbott Architect
	ng/ml = µg/l	63.2	50.6	75.8	BioMerieux Vidas
	ng/ml = µg/l	63.0	50.4	75.6	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	49.9	39.9	59.9	CIS RIA Coated tube

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	83.6	66.9	100	Siemens Immulite 2000/2500
	ng/ml = µg/l	77.5	62.0	93.0	Siemens Immulite 1000
	ng/ml = µg/l	57.1	45.7	68.5	Beckman Dxl800
	ng/ml = µg/l	51.4	41.1	61.7	Roche Elecsys
	ng/ml = µg/l	60.8	48.6	73.0	Diasorin Liaison
	ng/ml = µg/l	59.8	47.8	71.8	Beckman Access
	ng/ml = µg/l	81.6	65.3	97.9	Tosoh Series
	ng/ml = µg/l	69.6	55.7	83.5	Vitros ECI
	ng/ml = µg/l	52.2	41.8	62.6	Roche Cobas e601/602
	ng/ml = µg/l	53.4	42.7	64.1	Roche Cobas 4000/E411
	ng/ml = µg/l	79.3	63.4	95.2	Fujirebio Lumipulse G Series
	ng/ml = µg/l	69.6	55.7	83.5	Boditech Med Inc i-CHROMA
	ng/ml = µg/l	63.6	50.9	76.3	Siemens Centaur CP
	ng/ml = µg/l	61.6	49.3	73.9	Diasorin Liaison XL
	ng/ml = µg/l	61.5	49.2	73.8	Siemens Atellica IM
	ng/ml = µg/l	52.9	42.3	63.5	Roche Cobas e402/e801
	ng/ml = µg/l	72.5	58.0	87.0	Abbott Alinity i
Cortisol	nmol/l	911	683	1139	Abbott Architect
	µg/dl	32.8	24.6	41.0	
	nmol/l	1020	765	1275	BioMerieux Vidas
	µg/dl	36.7	27.5	45.9	
	nmol/l	1126	845	1408	Siemens Centaur XP/XPT/Classic
	µg/dl	40.5	30.4	50.6	
	nmol/l	832	624	1040	CIS RIA
	µg/dl	30.0	22.5	37.5	
	nmol/l	926	695	1158	Siemens Immulite 2000/2500
	µg/dl	33.3	25.0	41.6	
	nmol/l	1021	766	1276	Siemens Immulite 1000
	µg/dl	36.8	27.6	46.0	
	nmol/l	1041	781	1301	Beckman Dxl800
	µg/dl	37.5	28.1	46.9	
	nmol/l	1019	764	1274	Roche Elecsys
	µg/dl	36.7	27.5	45.9	
	nmol/l	1116	837	1395	Beckman Access
	µg/dl	40.2	30.1	50.3	
	nmol/l	1087	815	1359	Tosoh Series
	µg/dl	39.1	29.3	48.9	
	nmol/l	924	693	1155	Vitros ECI
	µg/dl	33.3	24.9	41.7	
	nmol/l	964	723	1205	Roche Cobas e601/602
	µg/dl	34.7	26.0	43.4	
	nmol/l	1038	779	1298	Roche Cobas 4000/E411
	µg/dl	37.4	28.0	46.8	
	nmol/l	1239	929	1549	Siemens Centaur CP
	µg/dl	44.6	33.4	55.8	
	nmol/l	1032	774	1290	Roche Cobas 4000/e411 Gen II
	µg/dl	37.2	27.9	46.5	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	975	731	1219	Roche Cobas e601/602 Gen II
	µg/dl	35.1	26.3	43.9	
	nmol/l	1012	759	1265	Roche Elecsys Gen II
	µg/dl	36.4	27.3	45.5	
	nmol/l	1013	760	1266	Diasorin Liaison XL
	µg/dl	36.5	27.4	45.6	
	nmol/l	1229	922	1536	Siemens Atellica IM
	µg/dl	44.2	33.2	55.2	
DHEA-S	nmol/l	981	736	1226	Roche Cobas e402/e801
	µg/dl	35.3	26.5	44.1	
	nmol/l	898	674	1123	Abbott Alinity i
	µg/dl	32.3	24.3	40.3	
	µmol/l	21.8	17.4	26.2	Abbott Architect
	µmol/l	18.1	14.5	21.7	Siemens Immulite 2000/2500
	µmol/l	17.0	13.6	20.4	Siemens Immulite 1000
	µmol/l	17.1	13.7	20.5	Beckman Dxl800
	µmol/l	27.2	21.8	32.6	Roche Elecsys
	µmol/l	18.1	14.5	21.7	Beckman Access
	µmol/l	14.7	11.8	17.6	Diasorin Liaison
	µmol/l	16.8	13.4	20.2	Siemens Centaur XP/XPT/Classic
	µmol/l	25.9	20.7	31.1	Roche Cobas 4000/E411
	µmol/l	26.3	21.0	31.6	Roche Cobas e601/602
	µmol/l	13.6	10.9	16.3	Diasorin Liaison XL
	µmol/l	17.1	13.7	20.5	Siemens Atellica IM
Digoxin	µmol/l	25.2	20.2	30.2	Roche Cobas e402/e801
	µmol/l	22.3	17.8	26.8	Abbott Alinity i
	nmol/l	4.04	3.23	4.85	Abbott Architect (CMIA)
	ng/ml	3.16	2.52	3.80	
	nmol/l	4.32	3.46	5.18	BioMerieux Vidas
	ng/ml	3.37	2.70	4.04	
	nmol/l	5.30	4.24	6.36	Siemens Centaur XP/XPT/Classic
	ng/ml	4.14	3.31	4.97	
	nmol/l	4.60	3.68	5.52	Siemens Dimension
	ng/ml	3.59	2.87	4.31	
	nmol/l	4.80	3.84	5.76	Beckman Dxl800
	ng/ml	3.75	3.00	4.50	
	nmol/l	4.66	3.73	5.59	Roche Integra
	ng/ml	3.64	2.91	4.37	
	nmol/l	4.73	3.78	5.68	Roche Cobas e601/602
	ng/ml	3.69	2.95	4.43	
	nmol/l	5.05	4.04	6.06	Beckman AU400/600/640/2700/5400
	ng/ml	3.94	3.16	4.72	
	nmol/l	4.78	3.82	5.74	Roche Cobas 4000/E411
	ng/ml	3.73	2.98	4.48	
	nmol/l	4.64	3.71	5.57	Roche Cobas e402/e801
	ng/ml	3.62	2.90	4.34	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	5.95	4.76	7.14	Siemens Atellica IM
	ng/ml	4.65	3.72	5.58	
	nmol/l	4.38	3.50	5.26	Siemens Atellica CH
	ng/ml	3.42	2.73	4.11	
	nmol/l	4.47	3.58	5.36	Abbott Alinity (CMIA)
	ng/ml	3.49	2.80	4.18	
	nmol/l	4.40	3.52	5.28	Abbott Alinity (PETINA)
	ng/ml	3.44	2.75	4.13	
Ethosuximide	nmol/l	5.12	4.10	6.14	Gravimetric
	ng/ml	4.00	3.20	4.80	
	µmol/l	493	394	592	Gravimetric
Ferritin	µg/ml	69.9	55.9	83.9	
	ng/ml = µg/l	325	260	390	Abbott Architect
	ng/ml = µg/l	233	186	280	BioMerieux Vidas
	ng/ml = µg/l	227	182	272	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	270	216	324	Siemens Dimension
	ng/ml = µg/l	257	206	308	Siemens Immulite 2000/2500
	ng/ml = µg/l	206	165	247	Siemens Immulite 1000
	ng/ml = µg/l	204	163	245	Beckman Dxl800
	ng/ml = µg/l	306	245	367	Roche Elecsys/Cobas e411
	ng/ml = µg/l	274	219	329	Diasorin Liaison
	ng/ml = µg/l	300	240	360	Roche Modular E170 / Roche Cobas e601/602
	ng/ml = µg/l	208	166	250	Beckman Access
	ng/ml = µg/l	204	163	245	Tosoh Series
	ng/ml = µg/l	186	149	223	Vitros ECI
	ng/ml = µg/l	289	231	347	Roche Cobas 4000/c311
	ng/ml = µg/l	241	193	289	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	281	225	337	Roche Cobas c501/502/503/701/702
	ng/ml = µg/l	227	182	272	Siemens Centaur CP
	ng/ml = µg/l	308	246	370	Diasorin Liaison XL
	ng/ml = µg/l	333	266	400	Abbott Alinity i
Folate	ng/ml = µg/l	215	172	258	Siemens Atellica IM
	ng/ml = µg/l	296	237	355	Roche Cobas e402/e801
	nmol/l	17.7	13.5	21.9	Abbott Architect
	ng/ml	7.81	5.95	9.67	
	nmol/l	39.6	30.1	49.1	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	17.5	13.3	21.7	
	nmol/l	15.6	11.9	19.3	Siemens Immulite 2000
	ng/ml	6.88	5.25	8.51	
	nmol/l	21.7	16.5	26.9	Beckman Dxl 600 / 800 - A14208
	ng/ml	9.57	7.28	11.9	
	nmol/l	21.6	16.4	26.8	Beckman Access
	ng/ml	9.53	7.23	11.8	
	nmol/l	33.4	25.4	41.4	Tosoh Series
	ng/ml	14.7	11.2	18.2	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Folate	nmol/l	12.9	9.80	16.0	Vitros ECI
	ng/ml	5.69	4.32	7.06	
	nmol/l	12.8	9.73	15.9	Siemens Dimension
	ng/ml	5.64	4.29	6.99	
	nmol/l	21.4	16.3	26.5	Beckman Dxl 600 / 800 - A98032
	ng/ml	9.44	7.19	11.7	
	nmol/l	23.1	17.6	28.6	Roche Folate III - 04476433
	ng/ml	10.2	7.76	12.6	
	nmol/l	21.2	16.1	26.3	Roche Elecsys Folate
	ng/ml	9.35	7.10	11.6	
	nmol/l	22.6	17.2	28.0	Roche Folate III - 07559992
	ng/ml	9.97	7.59	12.4	
	nmol/l	35.6	27.1	44.1	Siemens Atellica IM
	ng/ml	15.7	12.0	19.4	
	nmol/l	18.5	14.1	22.9	Abbott Alinity i
	ng/ml	8.16	6.22	10.1	
	nmol/l	22.9	17.4	28.4	Roche Folate 07027290 e801
	ng/ml	10.1	7.67	12.5	
Free T3	pmol/l	25.4	19.1	31.8	Abbott Architect, 2 point calibration
	ng/dl	1.65	1.24	2.06	
	pg/ml	16.5	12.4	20.6	
	pmol/l	23.9	17.9	29.9	BioMerieux Vidas
	ng/dl	1.55	1.16	1.94	
	pg/ml	15.6	11.7	19.5	
	pmol/l	24.4	18.3	30.5	Siemens Centaur XP/XPT/Classic
	ng/dl	1.59	1.19	1.99	
	pg/ml	15.9	11.9	19.9	
	pmol/l	15.1	11.3	18.9	Siemens Immulite 2000/2500
	ng/dl	0.982	0.735	1.23	
	pg/ml	9.83	7.36	12.3	
	pmol/l	14.8	11.1	18.5	Siemens Immulite 1000
	ng/dl	0.962	0.722	1.20	
	pg/ml	9.63	7.23	12.0	
	pmol/l	17.5	13.1	21.9	Beckman Dxl800
	ng/dl	1.14	0.852	1.43	
	pg/ml	11.4	8.53	14.3	
	pmol/l	30.3	22.7	37.9	Roche Elecsys
	ng/dl	1.97	1.48	2.46	
	pg/ml	19.7	14.8	24.6	
	pmol/l	32.7	24.5	40.9	Diasorin Liaison
	ng/dl	2.13	1.59	2.67	
	pg/ml	21.3	15.9	26.7	
	pmol/l	19.0	14.3	23.8	Beckman Access
	ng/dl	1.24	0.930	1.55	
	pg/ml	12.4	9.31	15.5	
	pmol/l	36.9	27.7	46.1	Tosoh Series
	ng/dl	2.40	1.80	3.00	
	pg/ml	24.0	18.0	30.0	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	35.0	26.3	43.8	Vitros ECI
	ng/dl	2.28	1.71	2.85	
	pg/ml	22.8	17.1	28.5	
	pmol/l	30.0	22.5	37.5	Roche Cobas 4000/E411
	ng/dl	1.95	1.46	2.44	
	pg/ml	19.5	14.6	24.4	
	pmol/l	30.3	22.7	37.9	Roche Cobas e601/602
	ng/dl	1.97	1.48	2.46	
	pg/ml	19.7	14.8	24.6	
	pmol/l	30.7	23.0	38.4	Siemens Dimension
	ng/dl	2.00	1.50	2.50	
	pg/ml	20.0	15.0	25.0	
	pmol/l	31.1	23.3	38.9	Siemens Dimension Vista LOCI
	ng/dl	2.02	1.51	2.53	
	pg/ml	20.2	15.2	25.2	
	pmol/l	25.1	18.8	31.4	Siemens Centaur CP
	ng/dl	1.63	1.22	2.04	
	pg/ml	16.3	12.2	20.4	
	pmol/l	36.5	27.4	45.6	Diasorin Liaison XL
	ng/dl	2.37	1.78	2.96	
	pg/ml	23.8	17.8	29.8	
	pmol/l	25.9	19.4	32.4	Siemens Atellica IM
	ng/dl	1.68	1.26	2.10	
	pg/ml	16.9	12.6	21.2	
	pmol/l	25.6	19.2	32.0	Abbott Alinity, 2 point cal
	ng/dl	1.66	1.25	2.07	
	pg/ml	16.7	12.5	20.9	
	pmol/l	25.2	18.9	31.5	Abbott Architect, 6 point calibration
	ng/dl	1.64	1.23	2.05	
	pg/ml	16.4	12.3	20.5	
	pmol/l	29.8	22.4	37.3	Roche Cobas e402/e801
	ng/dl	1.94	1.46	2.42	
	pg/ml	19.4	14.6	24.2	
	pmol/l	25.7	19.3	32.1	Abbott Alinity, 6 point cal
	ng/dl	1.67	1.25	2.09	
	pg/ml	16.7	12.6	20.8	
Free T4	pmol/l	47.8	35.9	59.8	Abbott Architect
	ng/dl	3.73	2.80	4.66	
	pg/ml	37.3	28.0	46.6	
	pmol/l	48.7	36.5	60.9	Siemens Centaur XP/XPT/Classic
	ng/dl	3.80	2.85	4.75	
	pg/ml	38.0	28.5	47.5	
	pmol/l	56.0	42.0	70.0	CIS RIA Coated tube
	ng/dl	4.37	3.28	5.46	
	pg/ml	43.7	32.8	54.6	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	71.6	53.7	89.5	Siemens Dimension
	ng/dl	5.58	4.19	6.97	
	pg/ml	55.8	41.9	69.7	
	pmol/l	72.5	54.4	90.6	Siemens Immulite 2000/2500
	ng/dl	5.66	4.24	7.08	
	pg/ml	56.6	42.4	70.8	
	pmol/l	74.4	55.8	93.0	Siemens Immulite 1000
	ng/dl	5.80	4.35	7.25	
	pg/ml	58.0	43.5	72.5	
	pmol/l	55.7	41.8	69.6	Beckman Dxl800
	ng/dl	4.34	3.26	5.42	
	pg/ml	43.4	32.6	54.2	
	pmol/l	68.8	51.6	86.0	Roche Elecsys
	ng/dl	5.37	4.02	6.72	
	pg/ml	53.7	40.2	67.2	
	pmol/l	94.3	70.7	118	Diasorin Liaison
	ng/dl	7.36	5.51	9.21	
	pg/ml	73.6	55.1	92.1	
	pmol/l	51.9	38.9	64.9	Beckman Access
	ng/dl	4.05	3.03	5.07	
	pg/ml	40.5	30.3	50.7	
	pmol/l	69.8	52.4	87.3	Tosoh Series
	ng/dl	5.44	4.09	6.79	
	pg/ml	54.4	40.9	67.9	
	pmol/l	89.7	67.3	112	Vitros ECI
	ng/dl	7.00	5.25	8.75	
	pg/ml	70.0	52.5	87.5	
	pmol/l	71.0	53.3	88.8	Roche Cobas e601/602
	ng/dl	5.54	4.16	6.92	
	pg/ml	55.4	41.6	69.2	
	pmol/l	45.7	34.3	57.1	Immunotech IRMA
	ng/dl	3.56	2.68	4.44	
	pg/ml	35.6	26.8	44.4	
	pmol/l	68.6	51.5	85.8	Roche Cobas 4000/E411
	ng/dl	5.35	4.02	6.68	
	pg/ml	53.5	40.2	66.8	
	pmol/l	74.0	55.5	92.5	Siemens Dimension Vista LOCI
	ng/dl	5.77	4.33	7.21	
	pg/ml	57.7	43.3	72.1	
	pmol/l	71.4	53.6	89.3	Biomerieux Vidas FT4N Kit
	ng/dl	5.57	4.18	6.96	
	pg/ml	55.7	41.8	69.6	
	pmol/l	80.6	60.5	101	Siemens Dimension Exl LOCI
	ng/dl	6.29	4.72	7.86	
	pg/ml	62.9	47.2	78.6	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	53.1	39.8	66.4	Siemens Centaur CP
	ng/dl	4.14	3.10	5.18	
	pg/ml	41.4	31.0	51.8	
	pmol/l	112	84.0	140	Diasorin Liaison XL
	ng/dl	8.74	6.55	10.9	
	pg/ml	87.4	65.5	109	
	pmol/l	53.6	40.2	67.0	Siemens Atellica IM
	ng/dl	4.18	3.14	5.22	
	pg/ml	41.8	31.4	52.2	
	pmol/l	44.0	33.0	55.0	Abbott Alinity i
	ng/dl	3.43	2.57	4.29	
	pg/ml	34.3	25.7	42.9	
FSH	pmol/l	72.3	54.2	90.4	Roche Cobas e402/e801
	ng/dl	5.64	4.23	7.05	
	pg/ml	56.4	42.3	70.5	
	mU/ml	52.4	41.9	62.9	Abbott Architect
	mU/ml	69.3	55.4	83.2	BioMerieux Vidas
	mU/ml	77.5	62.0	93.0	Siemens Centaur XP/XPT/Classic
	mU/ml	59.9	47.9	71.9	Siemens Immulite 2000/2500
	mU/ml	60.6	48.5	72.7	Siemens Immulite 1000
	mU/ml	64.0	51.2	76.8	Beckman Dxl800
	mU/ml	57.6	46.1	69.1	Roche/BM Elecsys
	mU/ml	68.0	54.4	81.6	Diasorin Liaison
	mU/ml	65.1	52.1	78.1	Beckman Access
	mU/ml	63.3	50.6	76.0	Tosoh Series
	mU/ml	51.8	41.4	62.2	Vitros ECI
	mU/ml	59.6	47.7	71.5	Roche Cobas 4000/E411
	mU/ml	55.3	44.2	66.4	Roche Cobas e601/602
	mU/ml	49.4	39.5	59.3	Fujirebio Lumipulse G Series
	mU/ml	70.3	56.2	84.4	Siemens Centaur CP
	mU/ml	92.1	73.7	111	Diasorin Liaison XL
	mU/ml	78.0	62.4	93.6	Siemens Atellica IM
Gentamicin	mU/ml	52.2	41.8	62.6	Abbott Alinity i
	mU/ml	55.5	44.4	66.6	Roche Cobas e402/e801
	µmol/l	17.9	14.3	21.5	Siemens Centaur XP/XPT/Classic
	µg/ml	8.56	6.84	10.3	
	µmol/l	14.3	11.4	17.2	Abbott Architect (CMIA)
	µg/ml	6.84	5.45	8.23	
	µmol/l	10.3	8.24	12.4	Roche Cobas 6000/8000 Online KIMS
	µg/ml	4.92	3.94	5.90	
	µmol/l	11.7	9.36	14.0	Roche Cobas 6000/8000 CEDIA
	µg/ml	5.59	4.47	6.71	
	µmol/l	14.3	11.4	17.2	Siemens Atellica CH
	µg/ml	6.84	5.45	8.23	
	µmol/l	14.5	11.6	17.4	Abbott Alinity (PETINA)
	µg/ml	6.93	5.54	8.32	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Gentamicin	µmol/l	11.7	9.36	14.0	Gravimetric
	µg/ml	5.59	4.47	6.69	
Growth Hormone (GH)	µU/ml	43.2	34.6	51.8	Siemens Immulite 2000/2500
	ng/ml	14.4	11.5	17.3	
	µU/ml	40.7	32.6	48.8	Siemens Immulite 1000
	ng/ml	13.6	10.9	16.3	
	µU/ml	32.6	26.1	39.1	Beckman Dxl800
	ng/ml	10.9	8.69	13.1	
	µU/ml	35.8	28.6	43.0	Beckman Access
	ng/ml	11.9	9.52	14.3	
	µU/ml	44.3	35.4	53.2	Tosoh Series
	ng/ml	14.8	11.8	17.8	
	µU/ml	35.2	28.2	42.2	Diasorin Liaison
	ng/ml	11.7	9.39	14.0	
	µU/ml	37.3	29.8	44.8	Roche Cobas 4000/E411
	ng/ml	12.4	9.92	14.9	
	µU/ml	38.6	30.9	46.3	Roche Cobas e601/602
	ng/ml	12.9	10.3	15.5	
	µU/ml	36.3	29.0	43.6	Diasorin Liaison XL
	ng/ml	12.1	9.66	14.5	
Immunoglobulin E	µU/ml	39.1	31.3	46.9	Roche Cobas e402/e801
	ng/ml	13.0	10.4	15.6	
	KIU/l = IU/ml	484	387	581	Abbott Architect
	KIU/l = IU/ml	505	404	606	Beckman Immage
	KIU/l = IU/ml	494	395	593	BioMerieux Vidas
	KIU/l = IU/ml	550	440	660	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	535	428	642	Siemens Immulite 2000/2500
	KIU/l = IU/ml	544	435	653	Siemens Immulite 1000
	KIU/l = IU/ml	602	482	722	Roche Elecsys
	KIU/l = IU/ml	499	399	599	Pharmacia Unicap
	KIU/l = IU/ml	491	393	589	Tosoh Series
	KIU/l = IU/ml	578	462	694	Roche Cobas 4000/E411
	KIU/l = IU/ml	561	449	673	Roche Cobas e601/602
	KIU/l = IU/ml	505	404	606	Siemens Centaur CP
	KIU/l = IU/ml	575	460	690	Siemens Atellica IM
Insulin	KIU/l = IU/ml	562	450	674	Roche Cobas e402/e801
	KIU/l = IU/ml	480	384	576	Abbott Alinity
	mU/l	18.3	13.7	22.9	Siemens Centaur XP/XPT/Classic
	µU/ml	18.3	13.7	22.9	
	mU/l	8.74	6.56	10.9	Siemens Immulite 2000
	µU/ml	8.74	6.56	10.9	
	mU/l	26.7	20.0	33.4	Roche Elecsys
	µU/ml	26.7	20.0	33.4	
	mU/l	19.1	14.3	23.9	Beckman Access
	µU/ml	19.1	14.3	23.9	
	mU/l	18.0	13.5	22.5	Abbott Architect
	µU/ml	18.0	13.5	22.5	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Insulin	mU/l	31.7	23.8	39.6	Tosoh Series
	µU/ml	31.7	23.8	39.6	
	mU/l	26.8	20.1	33.5	Roche Cobas 4000/E411
	µU/ml	26.8	20.1	33.5	
	mU/l	17.9	13.4	22.4	Beckman Dxl 600/800
	µU/ml	17.9	13.4	22.4	
	mU/l	26.7	20.0	33.4	Diasorin Liaison
	µU/ml	26.7	20.0	33.4	
	mU/l	26.4	19.8	33.0	Roche Cobas 6000/8000
	µU/ml	26.4	19.8	33.0	
	mU/l	22.4	16.8	28.0	Fujirebio Lumipulse G Series
	µU/ml	22.4	16.8	28.0	
	mU/l	28.7	21.5	35.9	Diasorin Liaison XL
	µU/ml	28.7	21.5	35.9	
Luteinising Hormone (LH)	mU/l	18.9	14.2	23.6	Siemens Atellica IM
	µU/ml	18.9	14.2	23.6	
	mU/l	16.7	12.5	20.9	Abbott Alinity i
	µU/ml	16.7	12.5	20.9	
	mU/ml	41.0	32.8	49.2	Abbott Architect
	mU/ml	50.4	40.3	60.5	BioMerieux Vidas
	mU/ml	49.3	39.4	59.2	Siemens Centaur XP/XPT/Classic
	mU/ml	69.7	55.8	83.6	Siemens Immulite 2000
	mU/ml	76.1	60.9	91.3	Siemens Immulite 1000
	mU/ml	41.0	32.8	49.2	Beckman Dxl800
	mU/ml	53.9	43.1	64.7	Roche Elecsys
	mU/ml	66.6	53.3	79.9	Diasorin Liaison
	mU/ml	40.8	32.6	49.0	Beckman Access
	mU/ml	48.1	38.5	57.7	Tosoh Series
	mU/ml	58.7	47.0	70.4	Vitros Eci
	mU/ml	54.6	43.7	65.5	Roche Cobas 4000/E411
	mU/ml	54.7	43.8	65.6	Roche Cobas e601/602
	mU/ml	47.8	38.2	57.4	Fujirebio Lumipulse G Series
	mU/ml	47.8	38.2	57.4	Siemens Centaur CP
	mU/ml	66.2	53.0	79.4	Diasorin Liaison XL
	mU/ml	50.6	40.5	60.7	Siemens Atellica IM
	mU/ml	40.1	32.1	48.1	Abbott Alinity i
	mU/ml	54.8	43.8	65.8	Roche Cobas e402/e801
Oestradiol	pmol/l	1285	1028	1542	Abbott Architect
	pg/ml	350	280	420	
	pmol/l	2937	2350	3524	BioMerieux Vidas
	pg/ml	799	639	959	
	pmol/l	2402	1922	2882	Siemens Centaur XP/XPT/Classic
	pg/ml	653	523	783	
	pmol/l	2209	1767	2651	Siemens Immulite 2000/2500
	pg/ml	601	481	721	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	2154	1723	2585	Siemens Immulite 1000
	pg/ml	586	469	703	
	pmol/l	1469	1175	1763	Beckman Dxl800
	pg/ml	400	320	480	
	pmol/l	1419	1135	1703	Roche Elecsys (Estradiol II)
	pg/ml	386	309	463	
	pmol/l	1619	1295	1943	Tosoh (E2)
	pg/ml	440	352	528	
	pmol/l	2527	2022	3032	Vitros ECI
	pg/ml	687	550	824	
	pmol/l	1040	832	1248	Diasorin Liaison
	pg/ml	283	226	340	
	pmol/l	1460	1168	1752	Roche Cobas e601/602 (Estradiol II)
	pg/ml	397	318	476	
	pmol/l	1449	1159	1739	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	394	315	473	
	pmol/l	2383	1906	2860	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	648	518	778	
	pmol/l	1791	1433	2149	Tosoh (iE2-hsE2)
	pg/ml	487	390	584	
	pmol/l	1457	1166	1748	Roche Cobas e601/602 (Estradiol III)
	pg/ml	396	317	475	
	pmol/l	1421	1137	1705	Roche Elecsys (Estradiol III)
	pg/ml	387	309	465	
	pmol/l	1455	1164	1746	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	396	317	475	
	pmol/l	1049	839	1259	Diasorin Liaison XL
	pg/ml	285	228	342	
	pmol/l	1637	1310	1964	Beckman Access / Access 2 Sensitive B84493
	pg/ml	445	356	534	
	pmol/l	1438	1150	1726	Beckman Dxl600/800 Sensitive B84493
	pg/ml	391	313	469	
	pmol/l	2572	2058	3086	Siemens Atellica IM
	pg/ml	700	560	840	
	pmol/l	1257	1006	1508	Abbott Alinity i
	pg/ml	342	274	410	
	pmol/l	1449	1159	1739	Roche Cobas e801 (Estradiol III)
	pg/ml	394	315	473	
Paracetamol	mmol/l	0.503	0.402	0.604	Abbott Architect
	mg/l	76.1	60.8	91.4	
	mmol/l	0.483	0.386	0.580	Roche Cobas c501/502/503/701/702
	mg/l	73.1	58.4	87.8	
	mmol/l	0.508	0.406	0.610	Beckman AU Instruments
	mg/l	76.9	61.4	92.4	
	mmol/l	0.518	0.414	0.622	EMIT
	mg/l	78.4	62.6	94.2	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Paracetamol	mmol/l	0.513	0.410	0.616	Abbott Alinity
	mg/l	77.6	62.0	93.2	
	mmol/l	0.529	0.420	0.630	Gravimetric
	mg/l	80.0	63.5	95.3	
Phenobarbital	µmol/l	124	99.0	149	Abbott Architect (CMIA)
	µg/ml	28.8	23.0	34.6	
	µmol/l	118	94.4	142	Roche Cobas e601/602/801
	µg/ml	27.4	21.9	32.9	
	µmol/l	113	90.4	136	Beckman AU400/600/640/2700/5400
	µg/ml	26.2	21.0	31.4	
	µmol/l	162	130	194	Siemens Centaur XP/XPT/Classic
	µg/ml	37.6	30.2	45.0	
	µmol/l	118	94.4	142	Roche Integra
	µg/ml	27.4	21.9	32.9	
	µmol/l	125	100	150	Siemens Atellica CH
	µg/ml	29.0	23.2	34.8	
	µmol/l	106	84.8	127	Abbott Alinity (PETINA)
	µg/ml	24.6	19.7	29.5	
	µmol/l	121	96.8	145	Gravimetric
	µg/ml	28.1	22.5	33.6	
Phenytoin	µmol/l	117	93.6	140	Roche Cobas C303/501/502/503/701
	µg/ml	27.1	21.7	32.5	
	µmol/l	94.9	75.9	114	Abbott Architect
	µg/ml	24.0	19.2	28.8	
	µmol/l	130	104	156	Siemens Centaur XP/XPT/Classic
	µg/ml	32.8	26.3	39.3	
	µmol/l	102	81.6	122	Siemens Dimension
	µg/ml	25.8	20.6	31.0	
	µmol/l	97.1	77.7	117	Siemens Immulite 2000/2500
	µg/ml	24.5	19.6	29.4	
	µmol/l	92.5	74.0	111	Roche Integra
	µg/ml	23.4	18.7	28.1	
	µmol/l	96.1	76.9	115	Vitros
	µg/ml	24.3	19.4	29.2	
	µmol/l	95.2	76.2	114	Roche Cobas 6000/8000
	µg/ml	24.0	19.2	28.8	
Primidone	µmol/l	103	82.4	124	EMIT
	µg/ml	26.0	20.8	31.2	
	µmol/l	102	81.6	122	Siemens Atellica CH
	µg/ml	25.8	20.6	31.0	
	µmol/l	102	81.6	122	Abbott Alinity
	µg/ml	25.8	20.6	31.0	
	µmol/l	99.8	79.8	120	Gravimetric
	µg/ml	25.2	20.1	30.3	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	92.9	74.3	111	Abbott Architect
	ng/ml	29.1	23.3	34.9	
	nmol/l	145	116	174	BioMerieux Vidas
	ng/ml	45.4	36.3	54.5	
	nmol/l	74.3	59.4	89.2	Siemens Centaur XP/XPT/Classic
	ng/ml	23.3	18.6	28.0	
	nmol/l	77.0	61.6	92.4	Siemens Immulite 2000/2500
	ng/ml	24.1	19.3	28.9	
	nmol/l	78.0	62.4	93.6	Siemens Immulite 1000
	ng/ml	24.4	19.5	29.3	
	nmol/l	92.8	74.2	111	Beckman Dxl Prog Cal 33555
	ng/ml	29.0	23.2	34.8	
	nmol/l	100	80.0	120	Roche Elecsys (Prog. II)
	ng/ml	31.3	25.0	37.6	
	nmol/l	92.3	73.8	111	Beckman Access Prog Cal 33555
	ng/ml	28.9	23.1	34.7	
	nmol/l	108	86.4	130	Tosoh Series
	ng/ml	33.8	27.0	40.6	
	nmol/l	101	80.8	121	Vitros ECi
	ng/ml	31.6	25.3	37.9	
	nmol/l	101	80.8	121	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	31.6	25.3	37.9	
	nmol/l	101	80.8	121	Roche Cobas e601/602 (Prog. II)
	ng/ml	31.6	25.3	37.9	
	nmol/l	83.6	66.9	100	Diasorin Liaison
	ng/ml	26.2	20.9	31.5	
	nmol/l	87.6	70.1	105	Beckman Dxl Prog DE Cal A80773
	ng/ml	27.4	21.9	32.9	
	nmol/l	85.3	68.2	102	Beckman Access Prog DE Cal A80773
	ng/ml	26.7	21.3	32.1	
	nmol/l	73.1	58.5	87.7	Siemens Centaur CP
	ng/ml	22.9	18.3	27.5	
	nmol/l	100	80.0	120	Roche Cobas e601/602 (Prog. III)
	ng/ml	31.3	25.0	37.6	
	nmol/l	101	80.8	121	Roche Elecsys (Prog. III)
	ng/ml	31.6	25.3	37.9	
	nmol/l	101	80.8	121	Roche Cobas 4000/e411 (Prog. III)
	ng/ml	31.6	25.3	37.9	
	nmol/l	89.5	71.6	107	Diasorin Liaison XL
	ng/ml	28.0	22.4	33.6	
	nmol/l	87.1	69.7	105	Abbott Alinity i
	ng/ml	27.3	21.8	32.8	
	nmol/l	102	81.6	122	Roche Cobas e801 (Prog. III)
	ng/ml	31.9	25.5	38.3	
Prolactin	μU/ml	950	760	1140	Abbott Architect
	μU/ml	1013	810	1216	BioMerieux Vidas

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Prolactin	µU/ml	794	635	953	Siemens Centaur XP/XPT/Classic
	µU/ml	832	666	998	Siemens Immulite 2000/2500
	µU/ml	942	754	1130	Siemens Immulite 1000
	µU/ml	769	615	923	Beckman Dxl800
	µU/ml	1033	826	1240	Roche Elecsys
	µU/ml	1036	829	1243	Diasorin Liaison
	µU/ml	807	646	968	Beckman Access
	µU/ml	864	691	1037	Tosoh Series
	µU/ml	818	654	982	Vitros ECi
	µU/ml	989	791	1187	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	944	755	1133	Immunotech IRMA
	µU/ml	1041	833	1249	Roche Cobas 4000/E411
	µU/ml	993	794	1192	Roche Cobas e601/602
	µU/ml	1042	834	1250	Fujirebio Lumipulse G Series
	µU/ml	760	608	912	Siemens Centaur CP
	µU/ml	1019	815	1223	Diasorin Liaison XL
	µU/ml	779	623	935	Siemens Atellica IM
	µU/ml	991	793	1189	Abbott Alinity i
	µU/ml	992	794	1190	Roche Cobas e801 PRL II
PSA Free	ng/ml = µg/l	22.7	17.0	28.4	Abbott Architect
	ng/ml = µg/l	22.1	16.6	27.6	BioMerieux Vidas
	ng/ml = µg/l	17.9	13.4	22.4	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	14.8	11.1	18.5	Siemens Immulite 2000/2500
	ng/ml = µg/l	14.3	10.7	17.9	Siemens Immulite 1000
	ng/ml = µg/l	23.2	17.4	29.0	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	17.9	13.4	22.4	Roche Elecsys
	ng/ml = µg/l	22.6	17.0	28.3	Beckman Access standardised to Hybritech
	ng/ml = µg/l	18.0	13.5	22.5	Tosoh Series
	ng/ml = µg/l	18.0	13.5	22.5	Roche Cobas 4000/E411
	ng/ml = µg/l	17.6	13.2	22.0	Roche Cobas e601/602
	ng/ml = µg/l	16.7	12.5	20.9	Siemens Dimension Vista
	ng/ml = µg/l	20.7	15.5	25.9	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	17.4	13.1	21.8	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	14.5	10.9	18.1	Fujirebio Lumipulse G Series
	ng/ml = µg/l	16.8	12.6	21.0	Diasorin Liaison XL
	ng/ml = µg/l	19.3	14.5	24.1	Siemens Atellica IM
	ng/ml = µg/l	21.0	15.8	26.3	Abbott Alinity i
	ng/ml = µg/l	16.9	12.7	21.1	Roche Cobas e402/e801
PSA Total	ng/ml = µg/l	17.9	13.4	22.4	Abbott Architect
	ng/ml = µg/l	21.3	16.0	26.6	BioMerieux Vidas
	ng/ml = µg/l	21.6	16.2	27.0	bioMerieux VIDAS TPSA
	ng/ml = µg/l	21.4	16.1	26.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	18.0	13.5	22.5	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	19.5	14.6	24.4	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	22.1	16.6	27.6	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	17.4	13.1	21.8	Beckman Dxl800 standardised to WHO IRP96/670

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
PSA Total	ng/ml = µg/l	22.6	17.0	28.3	Roche Elecsys
	ng/ml = µg/l	21.5	16.1	26.9	Diasorin Liaison
	ng/ml = µg/l	22.6	17.0	28.3	Beckman Access standardised to Hybritech
	ng/ml = µg/l	23.1	17.3	28.9	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	16.7	12.5	20.9	Tosoh Series
	ng/ml = µg/l	23.0	17.3	28.8	Vitros ECI
	ng/ml = µg/l	24.8	18.6	31.0	CIS RIA Coated tube
	ng/ml = µg/l	23.4	17.6	29.3	Roche Cobas 4000/E411
	ng/ml = µg/l	22.9	17.2	28.6	Roche Cobas e601/602
	ng/ml = µg/l	16.2	12.2	20.3	Fujirebio Lumipulse G Series
	ng/ml = µg/l	23.0	17.3	28.8	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	21.3	16.0	26.6	Siemens Centaur CP
	ng/ml = µg/l	22.1	16.6	27.6	Diasorin Liaison XL
	ng/ml = µg/l	22.8	17.1	28.5	Siemens Atellica IM
	ng/ml = µg/l	17.7	13.3	22.1	Abbott Alinity i
	ng/ml = µg/l	22.0	16.5	27.5	Roche Cobas e402/e801
Salicylic Acid	mmol/l	2.97	2.38	3.56	Abbott Architect
	mg/dl	41.0	32.9	49.1	
	mmol/l	2.89	2.31	3.47	Roche Cobas c501/502/503
	mg/dl	39.9	31.9	47.9	
	mmol/l	2.97	2.38	3.56	EMIT
	mg/dl	41.0	32.9	49.1	
	mmol/l	2.88	2.30	3.46	Gravimetric
SHBG	nmol/l	38.6	30.9	46.3	Siemens Immulite 2000/2500
	nmol/l	42.9	34.3	51.5	Abbott Architect
	nmol/l	41.8	33.4	50.2	Beckman Access
	nmol/l	39.6	31.7	47.5	Beckman Dxl800
	nmol/l	39.5	31.6	47.4	Siemens Atellica IM
	nmol/l	38.5	30.8	46.2	Roche analysers - 413417/15
	nmol/l	37.0	29.6	44.4	Roche Cobas e801 - 413429
	nmol/l	41.4	33.1	49.7	Abbott Alinity i
T Uptake	%U	37.6	30.8	44.4	Siemens Immulite 2000
Testosterone	nmol/l	28.5	22.8	34.2	Abbott Architect
	ng/ml	8.21	6.57	9.85	
	ng/dl	821	657	985	
	nmol/l	26.2	21.0	31.4	BioMerieux Vidas
	ng/ml	7.55	6.05	9.05	
	ng/dl	755	605	905	
	nmol/l	25.4	20.3	30.5	Siemens Centaur XP/XPT/Classic
	ng/ml	7.32	5.85	8.79	
	ng/dl	732	585	879	
	nmol/l	28.1	22.5	33.7	CIS RIA Coated tube
	ng/ml	8.09	6.48	9.70	
	ng/dl	809	648	970	
	nmol/l	33.0	26.4	39.6	Siemens Immulite 2000/2500
	ng/ml	9.50	7.60	11.4	
	ng/dl	950	760	1140	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	40.7	32.6	48.8	Siemens Immulite 1000
	ng/ml	11.7	9.39	14.0	
	ng/dl	1172	939	1405	
	nmol/l	24.0	19.2	28.8	Beckman DxI800
	ng/ml	6.91	5.53	8.29	
	ng/dl	691	553	829	
	nmol/l	26.3	21.0	31.6	Beckman Access
	ng/ml	7.57	6.05	9.09	
	ng/dl	757	605	909	
	nmol/l	38.5	30.8	46.2	Tosoh Series
	ng/ml	11.1	8.87	13.3	
	ng/dl	1109	887	1331	
	nmol/l	38.8	31.0	46.6	Vitros ECI
	ng/ml	11.2	8.93	13.5	
	ng/dl	1117	893	1341	
	nmol/l	28.7	23.0	34.4	Roche Cobas e601/602 Test II
	ng/ml	8.27	6.62	9.92	
	ng/dl	827	662	992	
	nmol/l	29.1	23.3	34.9	Roche Elecsys Test II
	ng/ml	8.38	6.71	10.1	
	ng/dl	838	671	1005	
	nmol/l	28.6	22.9	34.3	Roche Cobas 4000/e411 Test II
	ng/ml	8.24	6.60	9.88	
	ng/dl	824	660	988	
	nmol/l	28.3	22.6	34.0	Abbott Architect 2nd Generation
	ng/ml	8.15	6.51	9.79	
	ng/dl	815	651	979	
	nmol/l	26.8	21.4	32.2	BioMerieux Vidas Testosterone II
	ng/ml	7.72	6.16	9.28	
	ng/dl	772	616	928	
	nmol/l	26.0	20.8	31.2	Siemens Centaur TST II
	ng/ml	7.49	5.99	8.99	
	ng/dl	749	599	899	
	nmol/l	26.3	21.0	31.6	Siemens Atellica IM
	ng/ml	7.57	6.05	9.09	
	ng/dl	757	605	909	
	nmol/l	28.6	22.9	34.3	Roche Cobas e801 Test II
	ng/ml	8.24	6.60	9.88	
	ng/dl	824	660	988	
	nmol/l	29.0	23.2	34.8	Abbott Alinity i
	ng/ml	8.35	6.68	10.0	
	ng/dl	835	668	1002	
Theophylline	µmol/l	156	125	187	Siemens Centaur XP/XPT/Classic
	µg/ml	28.1	22.5	33.7	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Theophylline	µmol/l	155	124	186	Siemens Dimension
	µg/ml	27.9	22.3	33.5	
	µmol/l	168	134	202	Roche Integra
	µg/ml	30.3	24.1	36.5	
	µmol/l	154	123	185	Abbott Architect (CMIA)
	µg/ml	27.8	22.2	33.4	
	µmol/l	166	133	199	Roche Cobas 6000/8000
	µg/ml	29.9	24.0	35.8	
	µmol/l	157	126	188	Abbott Alinity Enzyme-Immu
	µg/ml	28.3	22.7	33.9	
Thyroglobulin	µmol/l	166	133	199	Gravimetric
	µg/ml	29.9	24.0	35.9	
	ng/ml	40.2	30.2	50.3	Siemens Immulite 1000
	ng/ml	36.7	27.5	45.9	Siemens Immulite 2000
	ng/ml	65.2	48.9	81.5	Roche Elecsys
	ng/ml	61.7	46.3	77.1	Beckman Dxl800
	ng/ml	68.6	51.5	85.8	Roche Cobas 4000/E411
	ng/ml	57.6	43.2	72.0	Diesse Chorus
	ng/ml	65.7	49.3	82.1	Roche Cobas e601/602
	ng/ml	62.7	47.0	78.4	Beckman Access
	ng/ml	76.1	57.1	95.1	Abbott Architect 2000i
	ng/ml	70.1	52.6	87.6	Tosoh Series
	ng/ml	66.3	49.7	82.9	Roche Cobas e601/602 Tg II
	ng/ml	69.9	52.4	87.4	Roche Elecsys TGII
	ng/ml	67.1	50.3	83.9	Roche Cobas 4000/E411 TGII
	ng/ml	68.2	51.2	85.3	Roche Cobas e801 Tg II
	ng/ml	64.1	48.1	80.1	DiaSorin Liaison TG II Gen
	ng/ml	65.8	49.4	82.3	DiaSorin Liaison XL TG II Gen
Thyroid Stimulating Hormone	ng/ml	74.3	55.7	92.9	Abbott Alinity i
	µU/ml = mIU/l	17.8	14.2	21.4	Abbott Architect
	µU/ml = mIU/l	21.5	17.2	25.8	bioMerieux VIDAS TSH
	µU/ml = mIU/l	19.5	15.6	23.4	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	21.4	17.1	25.7	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	22.3	17.8	26.8	CIS IRMA
	µU/ml = mIU/l	21.6	17.3	25.9	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	20.9	16.7	25.1	Siemens Immulite 2000/2500
	µU/ml = mIU/l	21.1	16.9	25.3	Siemens Immulite 1000
	µU/ml = mIU/l	18.8	15.0	22.6	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	19.2	15.4	23.0	Beckman Dxl800
	µU/ml = mIU/l	20.2	16.2	24.2	Roche Elecsys
	µU/ml = mIU/l	24.7	19.8	29.6	Diasorin Liaison
	µU/ml = mIU/l	19.9	15.9	23.9	Beckman Access Fast TSH
	µU/ml = mIU/l	19.3	15.4	23.2	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	22.3	17.8	26.8	Tosoh Series
	µU/ml = mIU/l	25.9	20.7	31.1	Vitros ECI
	µU/ml = mIU/l	20.7	16.6	24.8	Roche Cobas 4000/E411

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone	µU/ml = mIU/l	20.7	16.6	24.8	Roche Cobas e601/602
	µU/ml = mIU/l	19.5	15.6	23.4	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	19.8	15.8	23.8	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	22.4	17.9	26.9	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	20.7	16.6	24.8	Siemens Centaur CP
	µU/ml = mIU/l	21.6	17.3	25.9	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	19.2	15.4	23.0	Beckman Dxl 600/800 Access (3rd IS)
	µU/ml = mIU/l	25.0	20.0	30.0	Diasorin Liaison XL
	µU/ml = mIU/l	21.6	17.3	25.9	Siemens Atellica IM
	µU/ml = mIU/l	17.7	14.2	21.2	Abbott Alinity i
	µU/ml = mIU/l	19.9	15.9	23.9	Roche Cobas e402/e801
Tobramycin	µmol/l	10.3	8.24	12.4	Gravimetric
	µg/ml	4.82	3.86	5.80	
Total Beta hCG	mU/ml=IU/l	264	211	317	Abbott Architect
	IU/ml	0.264	0.211	0.317	
	mU/ml=IU/l	486	389	583	BioMerieux Vidas
	IU/ml	0.486	0.389	0.583	
	mU/ml=IU/l	231	185	277	Siemens Centaur XP/XPT/Classic
	IU/ml	0.231	0.185	0.277	
	mU/ml=IU/l	484	387	581	Siemens Dimension
	IU/ml	0.484	0.387	0.581	
	mU/ml=IU/l	562	450	674	Siemens Immulite 2000
	IU/ml	0.562	0.450	0.674	
	mU/ml=IU/l	587	470	704	Siemens Immulite 1000
	IU/ml	0.587	0.470	0.704	
	mU/ml=IU/l	269	215	323	Beckman Dxl800
	IU/ml	0.269	0.215	0.323	
	mU/ml=IU/l	234	187	281	Diasorin Liaison
	IU/ml	0.234	0.187	0.281	
	mU/ml=IU/l	332	266	398	Roche Cobas Core EIA
	IU/ml	0.332	0.266	0.398	
	mU/ml=IU/l	259	207	311	Beckman Access
	IU/ml	0.259	0.207	0.311	
	mU/ml=IU/l	491	393	589	Tosoh Series
	IU/ml	0.491	0.393	0.589	
	mU/ml=IU/l	490	392	588	Vitros ECI
	IU/ml	0.490	0.392	0.588	
	mU/ml=IU/l	235	188	282	Roche hCG STAT (Intact)
	IU/ml	0.235	0.188	0.282	
	mU/ml=IU/l	325	260	390	Roche hCG+Beta
	IU/ml	0.325	0.260	0.390	
	mU/ml=IU/l	257	206	308	Beckman Access Total BhCG (5th IS)
	IU/ml	0.257	0.206	0.308	
	mU/ml=IU/l	267	214	320	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.267	0.214	0.320	
	mU/ml=IU/l	224	179	269	Siemens Centaur CP
	IU/ml	0.224	0.179	0.269	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	255	204	306	Diasorin Liaison XL
	IU/ml	0.255	0.204	0.306	
	mU/ml=IU/l	247	198	296	Siemens Atellica IM
	IU/ml	0.247	0.198	0.296	
	mU/ml=IU/l	269	215	323	Abbott Alinity i
	IU/ml	0.269	0.215	0.323	
	mU/ml=IU/l	304	243	365	Roche hCG+Beta e801
	IU/ml	0.304	0.243	0.365	
Total T3	nmol/l	5.27	3.95	6.59	Abbott Architect
	ng/ml	3.43	2.57	4.29	
	ng/dl	343	257	429	
	nmol/l	5.92	4.44	7.40	BioMerieux Vidas
	ng/ml	3.85	2.89	4.81	
	ng/dl	385	289	481	
	nmol/l	7.00	5.25	8.75	Siemens Centaur XP/XPT/Classic
	ng/ml	4.56	3.42	5.70	
	ng/dl	456	342	570	
	nmol/l	6.27	4.70	7.84	Siemens Immulite 2000/2500
	ng/ml	4.08	3.06	5.10	
	ng/dl	408	306	510	
	nmol/l	6.04	4.53	7.55	Siemens Immulite 1000
	ng/ml	3.93	2.95	4.91	
	ng/dl	393	295	491	
	nmol/l	6.06	4.55	7.58	Beckman Dxl800
	ng/ml	3.95	2.96	4.94	
	ng/dl	395	296	494	
	nmol/l	5.83	4.37	7.29	Roche Elecsys
	ng/ml	3.80	2.84	4.76	
	ng/dl	380	284	476	
	nmol/l	6.08	4.56	7.60	Beckman Access
	ng/ml	3.96	2.97	4.95	
	ng/dl	396	297	495	
	nmol/l	5.88	4.41	7.35	Tosoh Series
	ng/ml	3.83	2.87	4.79	
	ng/dl	383	287	479	
	nmol/l	7.64	5.73	9.55	Vitros ECI
	ng/ml	4.97	3.73	6.21	
	ng/dl	497	373	621	
	nmol/l	5.51	4.13	6.89	CIS RIA Coated tube
	ng/ml	3.59	2.69	4.49	
	ng/dl	359	269	449	
	nmol/l	6.17	4.63	7.71	Roche Cobas 4000/E411
	ng/ml	4.02	3.01	5.03	
	ng/dl	402	301	503	
	nmol/l	6.05	4.54	7.56	Roche Cobas e601/602
	ng/ml	3.94	2.96	4.92	
	ng/dl	394	296	492	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	7.61	5.71	9.51	Siemens Centaur CP
	ng/ml	4.95	3.72	6.18	
	ng/dl	495	372	618	
	nmol/l	5.20	3.90	6.50	Diasorin Liaison XL
	ng/ml	3.39	2.54	4.24	
	ng/dl	339	254	424	
	nmol/l	5.29	3.97	6.61	Abbott Alinity i
	ng/ml	3.44	2.58	4.30	
	ng/dl	344	258	430	
	nmol/l	6.84	5.13	8.55	Siemens Atellica IM
	ng/ml	4.45	3.34	5.56	
	ng/dl	445	334	556	
	nmol/l	6.42	4.82	8.03	Roche Cobas e402/e801
	ng/ml	4.18	3.14	5.22	
	ng/dl	418	314	522	
Total T4	nmol/l	201	151	251	Abbott Architect
	µg/dl	15.7	11.8	19.6	
	ng/ml	157	118	196	
	nmol/l	210	158	263	BioMerieux Vidas
	µg/dl	16.4	12.3	20.5	
	ng/ml	164	123	205	
	nmol/l	215	161	269	Siemens Centaur XP/XPT/Classic
	µg/dl	16.8	12.6	21.0	
	ng/ml	168	126	210	
	nmol/l	200	150	250	Siemens Immulite 2000/2500
	µg/dl	15.6	11.7	19.5	
	ng/ml	156	117	195	
	nmol/l	186	140	233	Siemens Immulite 1000
	µg/dl	14.5	10.9	18.1	
	ng/ml	145	109	181	
	nmol/l	218	164	273	Beckman Dxl800
	µg/dl	17.0	12.8	21.2	
	ng/ml	170	128	212	
	nmol/l	176	132	220	Roche Elecsys
	µg/dl	13.7	10.3	17.1	
	ng/ml	137	103	171	
	nmol/l	206	155	258	Beckman Access
	µg/dl	16.1	12.1	20.1	
	ng/ml	161	121	201	
	nmol/l	194	146	243	Tosoh Series
	µg/dl	15.1	11.4	18.8	
	ng/ml	151	114	188	
	nmol/l	220	165	275	Vitros ECi
	µg/dl	17.2	12.9	21.5	
	ng/ml	172	129	215	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	262	197	328	CIS RIA Coated tube
	µg/dl	20.4	15.4	25.4	
	ng/ml	204	154	254	
	nmol/l	179	134	224	Roche Cobas 4000/E411
	µg/dl	14.0	10.5	17.5	
	ng/ml	140	105	175	
	nmol/l	179	134	224	Roche Cobas e601/602
	µg/dl	14.0	10.5	17.5	
	ng/ml	140	105	175	
	nmol/l	159	119	199	Immunotech IRMA
	µg/dl	12.4	9.28	15.5	
	ng/ml	124	92.8	155	
	nmol/l	224	168	280	Siemens Centaur CP
	µg/dl	17.5	13.1	21.9	
	ng/ml	175	131	219	
	nmol/l	195	146	244	Diasorin Liaison XL
	µg/dl	15.2	11.4	19.0	
	ng/ml	152	114	190	
	nmol/l	196	147	245	Abbott Alinity i
	µg/dl	15.3	11.5	19.1	
	ng/ml	153	115	191	
	nmol/l	230	173	288	Siemens Atellica IM
	µg/dl	17.9	13.5	22.3	
	ng/ml	179	135	223	
	nmol/l	178	134	223	Roche Cobas e402/e801
	µg/dl	13.9	10.5	17.3	
	ng/ml	139	105	173	
Valproic Acid	µmol/l	913	730	1096	Abbott Architect (CMIA)
	µg/ml	132	105	159	
	µmol/l	974	779	1169	Siemens Centaur XP/XPT/Classic
	µg/ml	141	112	170	
	µmol/l	919	735	1103	Siemens Dimension
	µg/ml	133	106	160	
	µmol/l	989	791	1187	Siemens Immulite 2000/2500
	µg/ml	143	114	172	
	µmol/l	975	780	1170	Siemens Immulite 1000
	µg/ml	141	113	169	
	µmol/l	920	736	1104	Roche Integra
	µg/ml	133	106	160	
	µmol/l	920	736	1104	Vitros
	µg/ml	133	106	160	
	µmol/l	911	729	1093	Roche Cobas 6000/8000
	µg/ml	131	105	157	
	µmol/l	964	771	1157	Beckman DxC
	µg/ml	139	111	167	

IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	µmol/l	960	768	1152	Beckman AU400/600/640/2700/5400
	µg/ml	139	111	167	
	µmol/l	907	726	1088	Abbott Architect (PETINA)
	µg/ml	131	105	157	
	µmol/l	968	774	1162	EMIT
	µg/ml	140	112	168	
	µmol/l	908	726	1090	Siemens Atellica CH
	µg/ml	131	105	157	
	µmol/l	926	741	1111	Abbott Alinity (CMIA)
	µg/ml	134	107	161	
	µmol/l	893	714	1072	Abbott Alinity (PETINA)
	µg/ml	129	103	155	
	µmol/l	1116	893	1339	Gravimetric
	µg/ml	161	129	193	
Vancomycin	µmol/l	12.1	9.68	14.5	Roche Integra
	µg/ml	18.0	14.4	21.6	
	µmol/l	9.50	7.60	11.4	Ortho Vitros Microslide Systems
	µg/ml	14.1	11.3	16.9	
	µmol/l	12.6	10.1	15.1	Abbott Architect (CMIA)
	µg/ml	18.7	15.0	22.4	
	µmol/l	10.2	8.16	12.2	Siemens Centaur XP/XPT/Classic
	µg/ml	15.2	12.1	18.3	
	µmol/l	11.6	9.28	13.9	Siemens Dimension
	µg/ml	17.2	13.8	20.6	
	µmol/l	11.3	9.04	13.6	Roche Cobas 6000/8000
	µg/ml	16.8	13.4	20.2	
	µmol/l	11.6	9.28	13.9	Thermo Scientific QMS Vancomycin
	µg/ml	17.2	13.8	20.6	
	µmol/l	11.1	8.88	13.3	Siemens Atellica CH
	µg/ml	16.5	13.2	19.8	
	µmol/l	11.0	8.80	13.2	Abbott Alinity (PETINA)
	µg/ml	16.3	13.1	19.5	
	µmol/l	10.8	8.64	13.0	Gravimetric
	µg/ml	16.0	12.8	19.3	
Vitamin B12	pmol/l	509	407	611	Abbott Architect
	pg/ml	690	551	829	
	pmol/l	681	545	817	Siemens Centaur XP/XPT/Classic
	pg/ml	923	738	1108	
	pmol/l	638	510	766	Siemens Immulite 2000
	pg/ml	864	691	1037	
	pmol/l	526	421	631	Beckman DxI800
	pg/ml	713	570	856	
	pmol/l	638	510	766	Roche Elecsys
	pg/ml	864	691	1037	
	pmol/l	540	432	648	Beckman Access
	pg/ml	732	585	879	



IMMUNOASSAY PREMIUM PLUS - LEVEL 3 (IA PREMIUM PLUS 3)

Cat. No. IA3111 / IA3112 Lot. No. 2147EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	810	648	972	Tosoh Series
	pg/ml	1098	878	1318	
	pmol/l	627	502	752	Vitros ECI
	pg/ml	850	680	1020	
	pmol/l	585	468	702	Siemens Dimension
	pg/ml	793	634	952	
	pmol/l	788	630	946	Siemens Centaur CP
	pg/ml	1068	854	1282	
	pmol/l	636	509	763	Roche Cobas 4000/e411 Gen II
	pg/ml	862	690	1034	
	pmol/l	655	524	786	Roche Cobas e601/602 Gen II
	pg/ml	888	710	1066	
	pmol/l	563	450	676	Diasorin Liaison XL
	pg/ml	763	610	916	
	pmol/l	746	597	895	Siemens Atellica IM
	pg/ml	1011	809	1213	
	pmol/l	428	342	514	Abbott Alinity i
	pg/ml	580	463	697	
	pmol/l	665	532	798	Roche Cobas e801 Gen II
	pg/ml	901	721	1081	