

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

CAT. NO. IA3109
CAT. NO. IA3112
LOT NO. 2074EC

GTIN: 05055273207255
GTIN: 05055273207286
EXPIRY: 2024-07-28

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

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

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

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

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

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

PREPARATION

Immunoassay Premium Plus is supplied lyophilised.

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

MATERIALS PROVIDED

Immunoassay Premium Plus - Level 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. Aldosterone is present in control levels 2 and level 3 only. Parathyroid Hormone (PTH) is present in the control, but no claim is made for the expected value or stability of this analyte.

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



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

Rev. 28 Sep '21 me

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	2.49	1.87	3.11	Immunotech RIA
	ng/ml	0.824	0.619	1.03	
	nmol/l	3.58	2.69	4.48	DRG ELISA
	ng/ml	1.18	0.890	1.47	
25-OH Vitamin D	nmol/l	49.3	37.0	61.6	Diasorin Liaison
	nmol/l	35.3	26.5	44.1	Siemens Centaur XP/XPT/Classic
	nmol/l	19.2	14.4	24.0	Abbott Architect (3L52)
	nmol/l	88.1	66.1	110	Vitros Eci
	nmol/l	33.2	24.9	41.5	Tosoh Series
	nmol/l	26.2	19.7	32.8	BioMerieux Vidas
	nmol/l	41.2	30.9	51.5	Beckman Dxl 600/800
	nmol/l	20.4	15.3	25.5	Fujirebio Lumipulse G Series
	nmol/l	40.9	30.7	51.1	Beckman Access 25 OH Vitamin D Total
	nmol/l	18.9	14.2	23.6	Abbott Architect (5P02)/ Alinity (8P45)
	nmol/l	55.3	41.5	69.1	Diasorin Liaison XL
	nmol/l	19.7	14.8	24.6	Roche Vitamin D Total II
	nmol/l	19.2	14.4	24.0	Abbott Alinity i
	nmol/l	25.3	19.0	31.6	Siemens Atellica IM
	nmol/l	18.9	14.2	23.6	Roche Vitamin D Total II e801
ACTH	pmol/l	14.1	10.6	17.6	Siemens Immulite 2000/2500
	pg/ml	64.1	48.2	80.0	
	pmol/l	22.2	16.7	27.8	Roche Cobas 4000/E411
	pg/ml	101	75.9	126	
	pmol/l	23.0	17.3	28.8	Roche Cobas e601/602
	pg/ml	105	78.6	131	
	pmol/l	44.5	33.4	55.6	CIS IRMA
	pg/ml	202	152	252	
	pmol/l	14.7	11.0	18.4	Siemens Immulite 1000
	pg/ml	66.8	50.0	83.6	
	pmol/l	28.1	21.1	35.1	Diasorin Liaison XL
	pg/ml	128	95.9	160	
	pmol/l	21.6	16.2	27.0	Roche Cobas e801
	pg/ml	98.2	73.6	123	
Alphafoetoprotein	KIU/l = IU/ml	7.80	6.24	9.36	Abbott Architect
	ng/ml	9.44	7.55	11.3	
	KIU/l = IU/ml	8.25	6.60	9.90	BioMerieux Vidas
	ng/ml	9.98	7.99	12.0	
	KIU/l = IU/ml	9.49	7.59	11.4	Siemens Centaur XP/XPT/Classic
	ng/ml	11.5	9.18	13.8	
	KIU/l = IU/ml	8.48	6.78	10.2	Siemens Immulite 2000/2500
	ng/ml	10.3	8.20	12.4	
	KIU/l = IU/ml	8.41	6.73	10.1	Beckman Dxl800
	ng/ml	10.2	8.14	12.3	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

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Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	8.85	7.08	10.6	Roche Elecsys
	ng/ml	10.7	8.57	12.8	
	KIU/l = IU/ml	8.09	6.47	9.71	Diasorin Liaison
	ng/ml	9.79	7.83	11.8	
	KIU/l = IU/ml	8.16	6.53	9.79	Beckman Access
	ng/ml	9.87	7.90	11.8	
	KIU/l = IU/ml	9.04	7.23	10.8	Tosoh Series
	ng/ml	10.9	8.75	13.1	
	KIU/l = IU/ml	8.53	6.82	10.2	Vitros ECI
	ng/ml	8.87	7.10	10.6	
	KIU/l = IU/ml	9.00	7.20	10.8	Roche Cobas e601/602
	ng/ml	10.9	8.71	13.1	
	KIU/l = IU/ml	17.1	13.7	20.5	CIS IRMA
	ng/ml	20.7	16.6	24.8	
	KIU/l = IU/ml	8.81	7.05	10.6	Roche Cobas 4000/E411
	ng/ml	10.7	8.53	12.9	
	KIU/l = IU/ml	8.85	7.08	10.6	Fujirebio Lumipulse G Series
	ng/ml	10.7	8.57	12.8	
	KIU/l = IU/ml	8.88	7.10	10.7	Siemens Centaur CP
	ng/ml	10.7	8.59	12.8	
Amikacin	KIU/l = IU/ml	9.79	7.83	11.7	Diasorin Liaison XL
	ng/ml	11.8	9.47	14.1	
	KIU/l = IU/ml	9.37	7.50	11.2	Siemens Atellica IM
	ng/ml	11.3	9.08	13.5	
	KIU/l = IU/ml	7.78	6.22	9.34	Abbott Alinity i
	ng/ml	9.41	7.53	11.3	
	KIU/l = IU/ml	8.79	7.03	10.5	Roche Cobas e801
	ng/ml	10.6	8.51	12.7	
	µmol/l	6.37	5.10	7.64	Roche Cobas 6000/8000
	µg/ml	3.73	2.99	4.47	
Androstenedione	µmol/l	6.42	5.14	7.70	Thermo Scientific QMS Amikacin
	µg/ml	3.76	3.01	4.51	
	µmol/l	6.41	5.13	7.69	Abbott Alinity
	µg/ml	3.75	3.00	4.50	
	µmol/l	6.40	5.12	7.68	Gravimetric
	µg/ml	3.75	3.00	4.50	
	nmol/l	3.49	2.62	4.36	Beckman Coulter RIA
	ng/ml	1.00	0.752	1.25	
	nmol/l	6.37	4.78	7.96	Siemens Immulite 2000
	ng/ml	1.83	1.37	2.29	
Beta-2-microglobulin	nmol/l	5.95	4.46	7.44	Diasorin Liaison XL
	ng/ml	1.71	1.28	2.14	
	µg/ml = mg/l	1.04	0.832	1.25	Abbott Architect
	µg/ml = mg/l	1.17	0.936	1.40	BioMerieux Vidas
	µg/ml = mg/l	1.01	0.808	1.21	Behring Nephelometer

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Range					
Analyte	unit	Target	low	high	methods
Beta-2-microglobulin	µg/ml = mg/l	1.00	0.800	1.20	Siemens Immulite 2000/2500
	µg/ml = mg/l	1.17	0.936	1.40	Tosoh Series
	µg/ml = mg/l	1.19	0.952	1.43	Roche Cobas 6000/8000
	µg/ml = mg/l	0.865	0.692	1.04	Diasorin Liaison XL
	µg/ml = mg/l	1.02	0.816	1.22	Siemens Atellica CH
	µg/ml = mg/l	1.07	0.856	1.28	Abbott Alinity
C-Peptide	nmol/l	0.647	0.485	0.809	Siemens Immulite 2000/2500
	ng/ml	1.95	1.46	2.44	
	nmol/l	0.825	0.619	1.030	Roche Elecsys
	ng/ml	2.49	1.87	3.11	
	nmol/l	0.832	0.624	1.040	Roche Cobas e601/602
	ng/ml	2.51	1.88	3.14	
	nmol/l	0.859	0.644	1.070	Diasorin Liaison
	ng/ml	2.59	1.94	3.24	
	nmol/l	0.843	0.632	1.050	Roche Cobas 4000/E411
	ng/ml	2.55	1.91	3.19	
	nmol/l	0.731	0.548	0.914	Abbott Architect
	ng/ml	2.21	1.65	2.77	
	nmol/l	0.549	0.412	0.686	Siemens Centaur XP/XPT/Classic
	ng/ml	1.66	1.24	2.08	
	nmol/l	0.721	0.541	0.901	Tosoh Series
	ng/ml	2.18	1.63	2.73	
	nmol/l	0.868	0.651	1.090	Diasorin Liaison XL
	ng/ml	2.62	1.97	3.27	
	nmol/l	0.813	0.610	1.020	Roche Cobas e801
	ng/ml	2.45	1.84	3.06	
	nmol/l	0.512	0.384	0.640	Siemens Atellica IM
	ng/ml	1.55	1.16	1.94	
	nmol/l	0.728	0.546	0.910	Abbott Alinity i
	ng/ml	2.20	1.65	2.75	
CA 15-3	U/ml	26.0	20.8	31.2	Abbott Architect
	U/ml	21.3	17.0	25.6	BioMerieux Vidas
	U/ml	21.6	17.3	25.9	Siemens Centaur XP/XPT/Classic
	U/ml	20.3	16.2	24.4	Siemens Immulite 2000/2500
	U/ml	9.41	7.53	11.3	Beckman Dxl800
	U/ml	23.2	18.6	27.8	Roche Elecsys
	U/ml	9.26	7.41	11.1	Beckman Access
	U/ml	23.6	18.9	28.3	Tosoh Series
	U/ml	17.5	14.0	21.0	Vitros Eci
	U/ml	22.9	18.3	27.5	Roche Cobas e601/602
	U/ml	22.8	18.2	27.4	Roche Cobas 4000/E411
	U/ml	26.8	21.4	32.2	Fujirebio Lumipulse G Series
	U/ml	22.7	18.2	27.2	Siemens Centaur CP
	U/ml	11.4	9.12	13.7	Mindray CL-2000i
	U/ml	21.0	16.8	25.2	Diasorin Liaison XL
	U/ml	23.2	18.6	27.8	Siemens Atellica IM

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Range					
Analyte	unit	Target	low	high	methods
CA 15-3	U/ml	21.5	17.2	25.8	Roche Cobas e801
	U/ml	25.4	20.3	30.5	Abbott Alinity i
CA 19-9	U/ml	24.6	19.7	29.5	BioMerieux Vidas
	U/ml	29.5	23.6	35.4	Siemens Centaur XP/XPT/Classic
	U/ml	76.0	60.8	91.2	Siemens Immulite 2000/2500
	U/ml	76.3	61.0	91.6	Beckman Dxl800
	U/ml	25.6	20.5	30.7	Roche Elecsys
	U/ml	43.5	34.8	52.2	Diasorin Liaison
	U/ml	83.9	67.1	101	Beckman Access
	U/ml	30.9	24.7	37.1	Tosoh Series
	U/ml	43.5	34.8	52.2	Vitros ECI
	U/ml	48.7	39.0	58.4	Abbott Architect XR/XR2/XRL
	U/ml	25.3	20.2	30.4	Roche Cobas e601/602
	U/ml	25.4	20.3	30.5	Roche Cobas 4000/E411
	U/ml	42.1	33.7	50.5	Fujirebio Lumipulse G Series
	U/ml	30.6	24.5	36.7	Siemens Centaur CP
	U/ml	16.6	13.3	19.9	Mindray CL-2000i
	U/ml	42.3	33.8	50.8	Diasorin Liaison XL
	U/ml	30.0	24.0	36.0	Siemens Atellica IM
	U/ml	26.2	21.0	31.4	Roche Cobas e801
	U/ml	49.3	39.4	59.2	Abbott Alinity XR/XR2/XRL
CA125	U/ml	31.1	24.9	37.3	Abbott Architect
	U/ml	21.6	17.3	25.9	BioMerieux Vidas
	U/ml	25.7	20.6	30.8	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	26.7	21.4	32.0	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	21.4	17.1	25.7	Siemens Immulite 2000/2500
	U/ml	23.5	18.8	28.2	Siemens Immulite 1000
	U/ml	18.6	14.9	22.3	Beckman Dxl800
	U/ml	20.7	16.6	24.8	Roche Elecsys
	U/ml	19.7	15.8	23.6	Beckman Access
	U/ml	35.6	28.5	42.7	Tosoh Series
	U/ml	20.3	16.2	24.4	Vitros ECI
	U/ml	20.9	16.7	25.1	Roche Cobas 4000/E411
	U/ml	21.4	17.1	25.7	Roche Cobas e601/602
	U/ml	20.0	16.0	24.0	Fujirebio Lumipulse G Series
	U/ml	28.0	22.4	33.6	Siemens Centaur CP CA125 II kit
	U/ml	37.0	29.6	44.4	Mindray CL-2000i
	U/ml	28.5	22.8	34.2	Diasorin Liaison XL
	U/ml	31.8	25.4	38.2	Siemens Atellica IM
	U/ml	20.3	16.2	24.4	Roche Cobas e801
	U/ml	32.6	26.1	39.1	Abbott Alinity i
Carbamazepine	µmol/l	16.6	13.3	19.9	Abbott Architect (CMIA)
	µg/ml	3.92	3.14	4.70	
	µmol/l	17.8	14.2	21.4	Siemens Centaur XP/XPT/Classic
	µg/ml	4.21	3.36	5.06	
	µmol/l	13.6	10.9	16.3	Siemens Dimension
	µg/ml	3.22	2.58	3.86	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	12.5	10.0	15.0	Siemens Immulite 2000/2500
	µg/ml	2.96	2.36	3.56	
	µmol/l	16.2	13.0	19.4	Roche Integra
	µg/ml	3.83	3.07	4.59	
	µmol/l	14.1	11.3	16.9	Roche Cobas 6000/8000
	µg/ml	3.33	2.67	3.99	
	µmol/l	15.7	12.6	18.8	Beckman AU400/600/640/2700/5400
	µg/ml	3.71	2.98	4.44	
	µmol/l	14.5	11.6	17.4	Abbott Architect (PETINA)
	µg/ml	3.43	2.74	4.12	
	µmol/l	15.7	12.6	18.8	EMIT
	µg/ml	3.71	2.98	4.44	
	µmol/l	14.4	11.5	17.3	Siemens Atellica CH
	µg/ml	3.40	2.72	4.08	
	µmol/l	14.5	11.6	17.4	Abbott Alinity (PETINA)
	µg/ml	3.43	2.74	4.12	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	6.40	5.12	7.68	Abbott Architect
	ng/ml = µg/l	5.11	4.09	6.13	BioMerieux Vidas
	ng/ml = µg/l	5.70	4.56	6.84	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	5.19	4.15	6.23	CIS RIA Coated tube
	ng/ml = µg/l	6.70	5.36	8.04	Siemens Immulite 2000/2500
	ng/ml = µg/l	6.56	5.25	7.87	Siemens Immulite 1000
	ng/ml = µg/l	5.20	4.16	6.24	Beckman Dxl800
	ng/ml = µg/l	5.44	4.35	6.53	Roche Elecsys
	ng/ml = µg/l	4.98	3.98	5.98	Diasorin Liaison
	ng/ml = µg/l	5.18	4.14	6.22	Beckman Access
	ng/ml = µg/l	8.72	6.98	10.5	Tosoh Series
	ng/ml = µg/l	5.82	4.66	6.98	Vitros ECI
	ng/ml = µg/l	5.29	4.23	6.35	Roche Cobas e601/602
	ng/ml = µg/l	5.43	4.34	6.52	Roche Cobas 4000/E411
	ng/ml = µg/l	6.92	5.54	8.30	Fujirebio Lumipulse G Series
	ng/ml = µg/l	5.65	4.52	6.78	Siemens Centaur CP
	ng/ml = µg/l	4.57	3.66	5.48	Mindray CL-2000i
	ng/ml = µg/l	5.28	4.22	6.34	Diasorin Liaison XL
	ng/ml = µg/l	5.70	4.56	6.84	Siemens Atellica IM
	ng/ml = µg/l	5.41	4.33	6.49	Roche Cobas e801
	ng/ml = µg/l	6.30	5.04	7.56	Abbott Alinity i
Cortisol	nmol/l	394	296	493	Abbott Architect
	µg/dl	14.2	10.7	17.7	
	nmol/l	282	212	353	BioMerieux Vidas
	µg/dl	10.2	7.63	12.8	
	nmol/l	412	309	515	Siemens Centaur XP/XPT/Classic
	µg/dl	14.8	11.1	18.5	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

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Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	306	230	383	CIS RIA
	µg/dl	11.0	8.28	13.7	
	nmol/l	389	292	486	Siemens Immulite 2000/2500
	µg/dl	14.0	10.5	17.5	
	nmol/l	403	302	504	Siemens Immulite 1000
	µg/dl	14.5	10.9	18.1	
	nmol/l	440	330	550	Beckman Dxl800
	µg/dl	15.8	11.9	19.7	
	nmol/l	355	266	444	Roche Elecsys
	µg/dl	12.8	9.58	16.0	
	nmol/l	442	332	553	Beckman Access
	µg/dl	15.9	12.0	19.8	
	nmol/l	355	266	444	Tosoh Series
	µg/dl	12.8	9.58	16.0	
	nmol/l	337	253	421	Vitros Eci
	µg/dl	12.1	9.11	15.1	
	nmol/l	359	269	449	Roche Cobas e601/602
	µg/dl	12.9	9.68	16.1	
	nmol/l	382	287	478	Roche Cobas 4000/E411
	µg/dl	13.8	10.3	17.3	
	nmol/l	375	281	469	Roche Cobas 4000/e411 Gen II
	µg/dl	13.5	10.1	16.9	
	nmol/l	357	268	446	Roche Cobas e601/602 Gen II
	µg/dl	12.9	9.65	16.2	
	nmol/l	391	293	489	Roche Elecsys Gen II
	µg/dl	14.1	10.5	17.7	
	nmol/l	631	473	789	Diasorin Liaison XL
	µg/dl	22.7	17.0	28.4	
	nmol/l	473	355	591	Siemens Atellica IM
	µg/dl	17.0	12.8	21.2	
	nmol/l	349	262	436	Roche Cobas e801
	µg/dl	12.6	9.43	15.8	
	nmol/l	386	290	483	Abbott Alinity i
	µg/dl	13.9	10.4	17.4	
DHEA-S	µmol/l	2.87	2.30	3.44	Abbott Architect
	µmol/l	2.10	1.68	2.52	Siemens Immulite 2000/2500
	µmol/l	2.63	2.10	3.16	Beckman Dxl800
	µmol/l	4.05	3.24	4.86	Roche Elecsys
	µmol/l	2.73	2.18	3.28	Beckman Access
	µmol/l	2.14	1.71	2.57	Siemens Centaur XP/XPT/Classic
	µmol/l	3.68	2.94	4.42	Roche Cobas 4000/E411
	µmol/l	3.62	2.90	4.34	Roche Cobas e601/602
	µmol/l	2.64	2.11	3.17	Immunotech RIA
	µmol/l	2.61	2.09	3.13	Diasorin Liaison XL
	µmol/l	2.13	1.70	2.56	Siemens Atellica IM
	µmol/l	3.51	2.81	4.21	Roche Cobas e801

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
DHEA-S	µmol/l	2.88	2.30	3.46	Abbott Alinity i
Digoxin	nmol/l	0.560	0.448	0.672	Abbott Architect (CMIA)
	ng/ml	0.437	0.350	0.524	
	nmol/l	0.686	0.549	0.823	BioMerieux Vidas
	ng/ml	0.536	0.429	0.643	
	nmol/l	0.968	0.774	1.16	Siemens Centaur XP/XPT/Classic
	ng/ml	0.756	0.604	0.908	
	nmol/l	0.709	0.567	0.851	Siemens Dimension
	ng/ml	0.554	0.443	0.665	
	nmol/l	0.764	0.611	0.917	Beckman Dxl800
	ng/ml	0.597	0.477	0.717	
	nmol/l	0.822	0.658	0.986	Roche Integra
	ng/ml	0.642	0.514	0.770	
	nmol/l	0.842	0.674	1.01	Roche Cobas e601/602
	ng/ml	0.658	0.526	0.790	
	nmol/l	0.803	0.642	0.964	Beckman AU400/600/640/2700/5400
	ng/ml	0.627	0.501	0.753	
	nmol/l	0.931	0.745	1.12	Roche Cobas 4000/E411
	ng/ml	0.727	0.582	0.872	
	nmol/l	0.868	0.694	1.04	Roche Cobas e801
	ng/ml	0.678	0.542	0.814	
	nmol/l	0.987	0.790	1.18	Siemens Atellica IM
	ng/ml	0.771	0.617	0.925	
	nmol/l	0.536	0.429	0.643	Siemens Atellica CH
	ng/ml	0.419	0.335	0.503	
	nmol/l	0.747	0.598	0.896	Abbott Alinity (CMIA)
	ng/ml	0.583	0.467	0.699	
	nmol/l	0.695	0.556	0.834	Abbott Alinity (PETINA)
	ng/ml	0.543	0.434	0.652	
	nmol/l	0.896	0.720	1.08	Gravimetric
	ng/ml	0.700	0.560	0.840	
Ethosuximide	µmol/l	226	181	271	Gravimetric
	µg/ml	32.0	25.7	38.4	
Ferritin	ng/ml = µg/l	18.8	15.0	22.6	Abbott Architect
	ng/ml = µg/l	11.2	8.96	13.4	BioMerieux Vidas
	ng/ml = µg/l	14.0	11.2	16.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	15.4	12.3	18.5	Siemens Dimension
	ng/ml = µg/l	13.8	11.0	16.6	Siemens Immulite 2000/2500
	ng/ml = µg/l	12.8	10.2	15.4	Siemens Immulite 1000
	ng/ml = µg/l	11.3	9.04	13.6	Beckman Dxl800
	ng/ml = µg/l	17.3	13.8	20.8	Roche Elecsys/Cobas e411
	ng/ml = µg/l	14.6	11.7	17.5	Diasorin Liaison
	ng/ml = µg/l	17.0	13.6	20.4	Roche Modular E170 / Roche Cobas e601/602
	ng/ml = µg/l	10.9	8.72	13.1	Beckman Access
	ng/ml = µg/l	10.9	8.72	13.1	Tosoh Series
	ng/ml = µg/l	11.2	8.96	13.4	Vitros ECi

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Ferritin	ng/ml = µg/l	17.1	13.7	20.5	Roche Cobas 4000/c311
	ng/ml = µg/l	12.0	9.60	14.4	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	16.6	13.3	19.9	Roche Cobas c501/502/503/701/702
	ng/ml = µg/l	12.6	10.1	15.1	Siemens Centaur CP
	ng/ml = µg/l	14.6	11.7	17.5	Diasorin Liaison XL
	ng/ml = µg/l	19.1	15.3	22.9	Abbott Alinity i
	ng/ml = µg/l	13.2	10.6	15.8	Siemens Atellica IM
	ng/ml = µg/l	17.3	13.8	20.8	Roche Cobas e801
Folate	nmol/l	3.72	2.83	4.61	Abbott Architect
	ng/ml	1.64	1.25	2.03	
	nmol/l	6.19	4.70	7.68	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	2.73	2.07	3.39	
	nmol/l	2.76	2.10	3.42	Siemens Immulite 2000
	ng/ml	1.22	0.926	1.51	
	nmol/l	2.76	2.10	3.42	Beckman Dxl 600 / 800 - A14208
	ng/ml	1.22	0.926	1.51	
	nmol/l	3.33	2.53	4.13	Beckman Access
	ng/ml	1.47	1.12	1.82	
	nmol/l	7.67	5.83	9.51	Tosoh Series
	ng/ml	3.38	2.57	4.19	
	nmol/l	3.81	2.90	4.72	Vitros Eci
	ng/ml	1.68	1.28	2.08	
	nmol/l	2.98	2.26	3.70	Beckman Dxl 600 / 800 - A98032
	ng/ml	1.31	0.997	1.62	
	nmol/l	2.67	2.03	3.31	Roche Elecsys Folate
	ng/ml	1.18	0.895	1.47	
	nmol/l	2.85	2.17	3.53	Roche Folate III - 07559992
	ng/ml	1.26	0.957	1.56	
Free T3	nmol/l	7.15	5.43	8.87	Siemens Atellica IM
	ng/ml	3.15	2.39	3.91	
	nmol/l	2.71	2.06	3.36	Roche Cobas e801
	ng/ml	1.20	0.908	1.49	
	pmol/l	6.67	5.00	8.34	Abbott Architect, 2 point calibration
	ng/dl	0.434	0.325	0.543	
	pg/ml	4.34	3.26	5.42	
	pmol/l	8.72	6.54	10.9	BioMerieux Vidas
	ng/dl	0.567	0.425	0.709	
	pg/ml	5.68	4.26	7.10	
	pmol/l	8.92	6.69	11.2	Siemens Centaur XP/XPT/Classic
	ng/dl	0.580	0.435	0.725	
	pg/ml	5.81	4.36	7.26	
	pmol/l	6.18	4.64	7.73	Siemens Immulite 2000/2500
	ng/dl	0.402	0.302	0.502	
	pg/ml	4.02	3.02	5.02	
	pmol/l	6.00	4.50	7.50	Siemens Immulite 1000
	ng/dl	0.390	0.293	0.487	
	pg/ml	3.91	2.93	4.89	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	7.10	5.33	8.88	Beckman DxI800
	ng/dl	0.462	0.346	0.578	
	pg/ml	4.62	3.47	5.77	
	pmol/l	8.82	6.62	11.0	Roche Elecsys
	ng/dl	0.573	0.430	0.716	
	pg/ml	5.74	4.31	7.17	
	pmol/l	9.16	6.87	11.5	Diasorin Liaison
	ng/dl	0.595	0.447	0.743	
	pg/ml	5.96	4.47	7.45	
	pmol/l	7.55	5.66	9.44	Beckman Access
	ng/dl	0.491	0.368	0.614	
	pg/ml	4.92	3.68	6.16	
	pmol/l	9.29	6.97	11.6	Tosoh Series
	ng/dl	0.604	0.453	0.755	
	pg/ml	6.05	4.54	7.56	
	pmol/l	23.2	17.4	29.0	Vitros ECI
	ng/dl	1.51	1.13	1.89	
	pg/ml	15.1	11.3	18.9	
	pmol/l	8.83	6.62	11.0	Roche Cobas 4000/E411
	ng/dl	0.574	0.430	0.718	
	pg/ml	5.75	4.31	7.19	
	pmol/l	8.86	6.65	11.1	Roche Cobas e601/602
	ng/dl	0.576	0.432	0.720	
	pg/ml	5.77	4.33	7.21	
	pmol/l	9.49	7.12	11.9	Siemens Centaur CP
	ng/dl	0.617	0.463	0.771	
	pg/ml	6.18	4.64	7.72	
	pmol/l	8.70	6.53	10.9	Mindray CL-2000i
	ng/dl	0.566	0.424	0.708	
	pg/ml	5.66	4.25	7.07	
	pmol/l	9.38	7.04	11.7	Diasorin Liaison XL
	ng/dl	0.610	0.458	0.762	
	pg/ml	6.11	4.58	7.64	
	pmol/l	9.87	7.40	12.3	Siemens Atellica IM
	ng/dl	0.642	0.481	0.803	
	pg/ml	6.43	4.82	8.04	
	pmol/l	6.65	4.99	8.31	Abbott Alinity, 2 point cal
	ng/dl	0.432	0.324	0.540	
	pg/ml	4.33	3.25	5.41	
	pmol/l	6.51	4.88	8.14	Abbott Architect, 6 point calibration
	ng/dl	0.423	0.317	0.529	
	pg/ml	4.24	3.18	5.30	
	pmol/l	8.57	6.43	10.7	Roche Cobas e801
	ng/dl	0.557	0.418	0.696	
	pg/ml	5.58	4.19	6.97	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	6.80	5.10	8.50	Abbott Alinity, 6 point cal
	ng/dl	0.442	0.332	0.552	
	pg/ml	4.43	3.32	5.54	
Free T4	pmol/l	12.1	9.08	15.1	Abbott Architect
	ng/dl	0.944	0.708	1.18	
	pg/ml	9.44	7.08	11.8	
	pmol/l	12.7	9.53	15.9	Siemens Centaur XP/XPT/Classic
	ng/dl	0.991	0.743	1.24	
	pg/ml	9.91	7.43	12.4	
	pmol/l	21.5	16.1	26.9	CIS RIA Coated tube
	ng/dl	1.68	1.26	2.10	
	pg/ml	16.8	12.6	21.0	
	pmol/l	21.5	16.1	26.9	Siemens Immulite 2000/2500
	ng/dl	1.68	1.26	2.10	
	pg/ml	16.8	12.6	21.0	
	pmol/l	20.8	15.6	26.0	Siemens Immulite 1000
	ng/dl	1.62	1.22	2.02	
	pg/ml	16.2	12.2	20.2	
	pmol/l	14.9	11.2	18.6	Beckman Dxl800
	ng/dl	1.16	0.874	1.45	
	pg/ml	11.6	8.74	14.5	
	pmol/l	17.8	13.4	22.3	Roche Elecsys
	ng/dl	1.39	1.05	1.73	
	pg/ml	13.9	10.5	17.3	
	pmol/l	22.4	16.8	28.0	Diasorin Liaison
	ng/dl	1.75	1.31	2.19	
	pg/ml	17.5	13.1	21.9	
	pmol/l	14.9	11.2	18.6	Beckman Access
	ng/dl	1.16	0.874	1.45	
	pg/ml	11.6	8.74	14.5	
	pmol/l	14.7	11.0	18.4	Tosoh Series
	ng/dl	1.15	0.858	1.44	
	pg/ml	11.5	8.58	14.4	
	pmol/l	44.6	33.5	55.8	Vitros ECI
	ng/dl	3.48	2.61	4.35	
	pg/ml	34.8	26.1	43.5	
	pmol/l	18.1	13.6	22.6	Roche Cobas e601/602
	ng/dl	1.41	1.06	1.76	
	pg/ml	14.1	10.6	17.6	
	pmol/l	14.1	10.6	17.6	Immunotech IRMA
	ng/dl	1.10	0.827	1.37	
	pg/ml	11.0	8.27	13.7	
	pmol/l	17.6	13.2	22.0	Roche Cobas 4000/E411
	ng/dl	1.37	1.03	1.71	
	pg/ml	13.7	10.3	17.1	
	pmol/l	18.0	13.5	22.5	Biomerieux Vidas FT4N Kit
	ng/dl	1.40	1.05	1.75	
	pg/ml	14.0	10.5	17.5	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	13.1	9.83	16.4	Siemens Centaur CP
	ng/dl	1.02	0.767	1.27	
	pg/ml	10.2	7.67	12.7	
	pmol/l	17.3	13.0	21.6	Mindray CL-2000i
	ng/dl	1.35	1.01	1.69	
	pg/ml	13.5	10.1	16.9	
	pmol/l	22.6	17.0	28.3	Diasorin Liaison XL
	ng/dl	1.76	1.33	2.19	
	pg/ml	17.6	13.3	21.9	
	pmol/l	13.3	9.98	16.6	Siemens Atellica IM
	ng/dl	1.04	0.778	1.30	
	pg/ml	10.4	7.78	13.0	
	pmol/l	11.5	8.63	14.4	Abbott Alinity i
	ng/dl	0.897	0.673	1.12	
	pg/ml	8.97	6.73	11.2	
	pmol/l	18.0	13.5	22.5	Roche Cobas e801
	ng/dl	1.40	1.05	1.75	
	pg/ml	14.0	10.5	17.5	
FSH	mU/ml	5.19	4.15	6.23	Abbott Architect
	mU/ml	6.60	5.28	7.92	BioMerieux Vidas
	mU/ml	7.48	5.98	8.98	Siemens Centaur XP/XPT/Classic
	mU/ml	5.63	4.50	6.76	Siemens Immulite 2000/2500
	mU/ml	6.02	4.82	7.22	Siemens Immulite 1000
	mU/ml	6.25	5.00	7.50	Beckman Dxl800
	mU/ml	5.94	4.75	7.13	Roche/BM Elecsys
	mU/ml	7.35	5.88	8.82	Diasorin Liaison
	mU/ml	6.07	4.86	7.28	Beckman Access
	mU/ml	7.10	5.68	8.52	Tosoh Series
	mU/ml	4.25	3.40	5.10	Vitros Eci
	mU/ml	5.98	4.78	7.18	Roche Cobas 4000/E411
	mU/ml	5.37	4.30	6.44	Roche Cobas e601/602
	mU/ml	4.92	3.94	5.90	Fujirebio Lumipulse G Series
	mU/ml	5.65	4.52	6.78	Siemens Centaur CP
	mU/ml	6.44	5.15	7.73	Mindray CL-2000i
	mU/ml	8.50	6.80	10.2	Diasorin Liaison XL
	mU/ml	7.13	5.70	8.56	Siemens Atellica IM
	mU/ml	5.38	4.30	6.46	Abbott Alinity i
	mU/ml	5.59	4.47	6.71	Roche Cobas e801
Gentamicin	µmol/l	4.96	3.97	5.95	Siemens Centaur XP/XPT/Classic
	µg/ml	2.37	1.90	2.84	
	µmol/l	4.88	3.90	5.86	Abbott Architect (CMIA)
	µg/ml	2.33	1.86	2.80	
	µmol/l	3.85	3.08	4.62	Roche Cobas 6000/8000 Online KIMS
	µg/ml	1.84	1.47	2.21	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Gentamicin	µmol/l	4.56	3.65	5.47	Roche Cobas 6000/8000 CEDIA
	µg/ml	2.18	1.74	2.62	
	µmol/l	5.32	4.26	6.38	Abbott Alinity (PETINA)
	µg/ml	2.54	2.04	3.04	
	µmol/l	4.85	3.88	5.82	Gravimetric
	µg/ml	2.32	1.85	2.78	
Growth Hormone (GH)	µU/ml	4.64	3.71	5.57	Siemens Immulite 2000/2500
	ng/ml	1.55	1.24	1.86	
	µU/ml	4.47	3.58	5.36	Siemens Immulite 1000
	ng/ml	1.49	1.19	1.79	
	µU/ml	3.38	2.70	4.06	Beckman DxI800
	ng/ml	1.13	0.899	1.36	
	µU/ml	3.44	2.75	4.13	Beckman Access
	ng/ml	1.15	0.916	1.38	
	µU/ml	4.54	3.63	5.45	Tosoh Series
	ng/ml	1.51	1.21	1.81	
	µU/ml	4.42	3.54	5.30	Roche Cobas 4000/E411
	ng/ml	1.47	1.18	1.76	
	µU/ml	4.34	3.47	5.21	Roche Cobas e601/602
	ng/ml	1.45	1.16	1.74	
	µU/ml	3.27	2.62	3.92	Diasorin Liaison XL
	ng/ml	1.09	0.872	1.31	
	µU/ml	4.45	3.56	5.34	Roche Cobas e801
	ng/ml	1.48	1.19	1.77	
Immunoglobulin E	KIU/I = IU/ml	216	173	259	Abbott Architect
	KIU/I = IU/ml	199	159	239	BioMerieux Vidas
	KIU/I = IU/ml	238	190	286	Siemens Centaur XP/XPT/Classic
	KIU/I = IU/ml	232	186	278	Siemens Immulite 2000/2500
	KIU/I = IU/ml	252	202	302	Siemens Immulite 1000
	KIU/I = IU/ml	228	182	274	Roche Elecsys
	KIU/I = IU/ml	205	164	246	Pharmacia Unicap
	KIU/I = IU/ml	206	165	247	Tosoh Series
	KIU/I = IU/ml	231	185	277	Roche Cobas 4000/E411
	KIU/I = IU/ml	223	178	268	Roche Cobas e601/602
	KIU/I = IU/ml	221	177	265	Siemens Atellica IM
	KIU/I = IU/ml	235	188	282	Roche Cobas e801
	KIU/I = IU/ml	213	170	256	Abbott Alinity
Insulin	mU/I	1.64	1.23	2.05	Siemens Centaur XP/XPT/Classic
	µU/ml	1.64	1.23	2.05	
	mU/I	7.92	5.94	9.90	Siemens Immulite 1000
	µU/ml	7.92	5.94	9.90	
	mU/I	2.14	1.61	2.68	Roche Elecsys
	µU/ml	2.14	1.61	2.67	
	mU/I	1.16	0.870	1.45	Beckman Access
	µU/ml	1.16	0.870	1.45	
	mU/I	1.44	1.08	1.80	Abbott Architect
	µU/ml	1.44	1.08	1.80	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Insulin	mU/l	2.96	2.22	3.70	Tosoh Series
	µU/ml	2.96	2.22	3.70	
	mU/l	2.02	1.52	2.53	Roche Cobas 4000/E411
	µU/ml	2.02	1.52	2.52	
	mU/l	1.14	0.855	1.43	Beckman Dxl 600/800
	µU/ml	1.14	0.855	1.43	
	mU/l	2.12	1.59	2.65	Roche Cobas 6000/8000
	µU/ml	2.12	1.59	2.65	
	mU/l	1.65	1.24	2.06	Siemens Atellica IM
	µU/ml	1.65	1.24	2.06	
Luteinising Hormone (LH)	mU/l	1.45	1.09	1.81	Abbott Alinity i
	µU/ml	1.45	1.09	1.81	
	mU/ml	2.66	2.13	3.19	Abbott Architect
	mU/ml	3.91	3.13	4.69	BioMerieux Vidas
	mU/ml	3.37	2.70	4.04	Siemens Centaur XP/XPT/Classic
	mU/ml	8.79	7.03	10.5	Siemens Immulite 2000
	mU/ml	9.77	7.82	11.7	Siemens Immulite 1000
	mU/ml	2.38	1.90	2.86	Beckman Dxl800
	mU/ml	4.15	3.32	4.98	Roche Elecsys
	mU/ml	4.47	3.58	5.36	Diasorin Liaison
	mU/ml	2.36	1.89	2.83	Beckman Access
	mU/ml	2.97	2.38	3.56	Tosoh Series
	mU/ml	6.79	5.43	8.15	Vitros Eci
	mU/ml	4.18	3.34	5.02	Roche Cobas 4000/E411
	mU/ml	4.21	3.37	5.05	Roche Cobas e601/602
	mU/ml	3.52	2.82	4.22	Fujirebio Lumipulse G Series
	mU/ml	2.97	2.38	3.56	Siemens Centaur CP
	mU/ml	4.01	3.21	4.81	Mindray CL-2000i
	mU/ml	4.76	3.81	5.71	Diasorin Liaison XL
	mU/ml	3.28	2.62	3.94	Siemens Atellica IM
Oestradiol	mU/ml	2.60	2.08	3.12	Abbott Alinity i
	mU/ml	4.23	3.38	5.08	Roche Cobas e801
	pmol/l	212	170	254	Abbott Architect
	pg/ml	57.7	46.2	69.2	
	pmol/l	258	206	310	BioMerieux Vidas
	pg/ml	70.2	56.0	84.4	
	pmol/l	198	158	238	Siemens Centaur XP/XPT/Classic
	pg/ml	53.9	43.0	64.8	
	pmol/l	202	162	242	Siemens Immulite 2000/2500
	pg/ml	54.9	44.1	65.7	
	pmol/l	161	129	193	Beckman Dxl800
	pg/ml	43.8	35.1	52.5	
	pmol/l	195	156	234	Roche Elecsys (Estradiol II)
	pg/ml	53.0	42.4	63.6	
	pmol/l	166	133	199	Beckman Access
	pg/ml	45.2	36.2	54.2	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	186	149	223	Vitros ECI
	pg/ml	50.6	40.5	60.7	
	pmol/l	195	156	234	Roche Cobas e601/602 (Estradiol II)
	pg/ml	53.0	42.4	63.6	
	pmol/l	169	135	203	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	46.0	36.7	55.3	
	pmol/l	199	159	239	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	54.1	43.2	65.0	
	pmol/l	213	170	256	Fujirebio Lumipulse G Series
	pg/ml	57.9	46.2	69.6	
	pmol/l	196	157	235	Roche Cobas e601/602 (Estradiol III)
	pg/ml	53.3	42.7	63.9	
	pmol/l	167	134	200	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	45.4	36.4	54.4	
	pmol/l	126	101	151	Diasorin Liaison XL
	pg/ml	34.3	27.5	41.1	
	pmol/l	164	131	197	Beckman Access / Access 2 Sensitive B84493
	pg/ml	44.6	35.6	53.6	
	pmol/l	160	128	192	Beckman Dxl600/800 Sensitive B84493
	pg/ml	43.5	34.8	52.2	
Paracetamol	pmol/l	202	162	242	Siemens Atellica IM
	pg/ml	54.9	44.1	65.7	
	pmol/l	212	170	254	Abbott Alinity i
	pg/ml	57.7	46.2	69.2	
	pmol/l	176	141	211	Roche Cobas e801 (Estradiol III)
	pg/ml	47.9	38.4	57.4	
	mmol/l	0.161	0.129	0.193	Abbott Architect
	mg/l	24.4	19.5	29.3	
Phenobarbital	mmol/l	0.155	0.124	0.186	Roche Cobas c501/502/503/701/702
	mg/l	23.5	18.8	28.2	
	mmol/l	0.166	0.133	0.199	Beckman AU Instruments
	mg/l	25.1	20.1	30.1	
	mmol/l	0.168	0.134	0.202	EMIT
	mg/l	25.4	20.3	30.5	
	mmol/l	0.163	0.130	0.196	Abbott Alinity
	mg/l	24.7	19.7	29.7	
	mmol/l	0.166	0.130	0.200	Gravimetric
	mg/l	25.1	19.7	30.3	
	µmol/l	35.8	28.6	43.0	Abbott Architect (CMIA)
	µg/ml	8.31	6.64	9.98	
	µmol/l	33.7	27.0	40.4	Roche Cobas e601/602/801
	µg/ml	7.82	6.26	9.38	
	µmol/l	34.6	27.7	41.5	Beckman AU400/600/640/2700/5400
	µg/ml	8.03	6.43	9.63	
	µmol/l	49.2	39.4	59.0	Siemens Centaur XP/XPT/Classic
	µg/ml	11.4	9.14	13.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Phenobarbital	µmol/l	35.6	28.5	42.7	Roche Integra
	µg/ml	8.26	6.61	9.91	
	µmol/l	40.9	32.7	49.1	Siemens Immulite 1000
	µg/ml	9.49	7.59	11.4	
	µmol/l	36.4	29.1	43.7	Siemens Atellica CH
	µg/ml	8.44	6.75	10.1	
	µmol/l	30.2	24.2	36.2	Abbott Alinity (PETINA)
	µg/ml	7.01	5.61	8.41	
Phenytoin	µmol/l	34.5	27.6	41.4	Gravimetric
	µg/ml	8.00	6.40	9.60	
	µmol/l	19.8	15.8	23.8	Abbott Architect
	µg/ml	5.00	3.99	6.01	
	µmol/l	20.1	16.1	24.1	Siemens Centaur XP/XPT/Classic
	µg/ml	5.08	4.07	6.09	
	µmol/l	15.1	12.1	18.1	Siemens Dimension
	µg/ml	3.81	3.06	4.56	
	µmol/l	18.9	15.1	22.7	Roche Integra
	µg/ml	4.77	3.81	5.73	
	µmol/l	18.7	15.0	22.4	Roche Cobas 6000/8000
	µg/ml	4.72	3.79	5.65	
Primidone	µmol/l	19.7	15.8	23.6	Beckman DxC
	µg/ml	4.97	3.99	5.95	
	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	
Progesterone	µmol/l	12.3	9.84	14.8	Gravimetric
	µg/ml	2.69	2.15	3.23	
	nmol/l	3.51	2.81	4.21	Abbott Architect
	ng/ml	1.10	0.880	1.32	
	nmol/l	4.78	3.82	5.74	BioMerieux Vidas
	ng/ml	1.50	1.20	1.80	
	nmol/l	2.99	2.39	3.59	Siemens Centaur XP/XPT/Classic
	ng/ml	0.936	0.748	1.12	
	nmol/l	4.06	3.25	4.87	Siemens Immulite 2000/2500
	ng/ml	1.27	1.02	1.52	
	nmol/l	4.06	3.25	4.87	Siemens Immulite 1000
	ng/ml	1.27	1.02	1.52	
	nmol/l	3.82	3.06	4.58	Beckman Dxl Prog Cal 33555
	ng/ml	1.20	0.958	1.44	
Progesterone	nmol/l	3.64	2.91	4.37	Roche Elecsys (Prog. II)
	ng/ml	1.14	0.911	1.37	
	nmol/l	3.93	3.14	4.72	Beckman Access Prog Cal 33555
	ng/ml	1.23	0.983	1.48	
	nmol/l	3.44	2.75	4.13	Tosoh Series
	ng/ml	1.08	0.861	1.30	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	5.22	4.18	6.26	Vitros ECI
	ng/ml	1.63	1.31	1.95	
	nmol/l	3.84	3.07	4.61	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	1.20	0.961	1.44	
	nmol/l	4.19	3.35	5.03	Roche Cobas e601/602 (Prog. II)
	ng/ml	1.31	1.05	1.57	
	nmol/l	2.74	2.19	3.29	Diasorin Liaison
	ng/ml	0.858	0.685	1.03	
	nmol/l	3.17	2.54	3.80	Beckman Access Prog DE Cal A80773
	ng/ml	0.992	0.795	1.19	
	nmol/l	3.35	2.68	4.02	Siemens Centaur CP
	ng/ml	1.05	0.839	1.26	
	nmol/l	3.32	2.66	3.98	Mindray CL-2000i
	ng/ml	1.04	0.833	1.25	
	nmol/l	4.10	3.28	4.92	Roche Cobas e601/602 (Prog. III)
	ng/ml	1.28	1.03	1.53	
	nmol/l	4.06	3.25	4.87	Roche Elecsys (Prog. III)
	ng/ml	1.27	1.02	1.52	
	nmol/l	3.87	3.10	4.64	Roche Cobas 4000/e411 (Prog. III)
	ng/ml	1.21	0.970	1.45	
	nmol/l	2.42	1.94	2.90	Diasorin Liaison XL
	ng/ml	0.757	0.607	0.907	
	nmol/l	3.13	2.50	3.76	Abbott Alinity i
	ng/ml	0.980	0.783	1.18	
	nmol/l	3.88	3.10	4.66	Roche Cobas e801 (Prog. III)
	ng/ml	1.21	0.970	1.45	
Prolactin	μU/ml	175	140	210	Abbott Architect
	μU/ml	178	142	214	BioMerieux Vidas
	μU/ml	150	120	180	Siemens Centaur XP/XPT/Classic
	μU/ml	152	122	182	Siemens Immulite 2000/2500
	μU/ml	181	145	217	Siemens Immulite 1000
	μU/ml	148	118	178	Beckman Dxl800
	μU/ml	141	113	169	Roche Elecsys
	μU/ml	152	122	182	Diasorin Liaison
	μU/ml	150	120	180	Beckman Access
	μU/ml	186	149	223	Tosoh Series
	μU/ml	180	144	216	Vitros ECI
	μU/ml	140	112	168	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	μU/ml	165	132	198	Immunotech IRMA
	μU/ml	144	115	173	Roche Cobas 4000/E411
	μU/ml	139	111	167	Roche Cobas e601/602
	μU/ml	198	158	238	Fujirebio Lumipulse G Series
	μU/ml	146	117	175	Siemens Centaur CP
	μU/ml	231	185	277	Mindray CL-2000i
	μU/ml	170	136	204	Diasorin Liaison XL

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Prolactin	µU/ml	150	120	180	Siemens Atellica IM
	µU/ml	174	139	209	Abbott Alinity i
	µU/ml	140	112	168	Roche Cobas e801 PRL II
PSA Free	ng/ml = µg/l	1.96	1.47	2.45	Abbott Architect
	ng/ml = µg/l	3.09	2.32	3.86	BioMerieux Vidas
	ng/ml = µg/l	1.33	0.998	1.66	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.38	1.04	1.73	Siemens Immulite 2000/2500
	ng/ml = µg/l	1.42	1.07	1.78	Siemens Immulite 1000
	ng/ml = µg/l	1.61	1.21	2.01	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	0.986	0.740	1.23	Roche Elecsys
	ng/ml = µg/l	2.00	1.50	2.50	Diasorin Liaison
	ng/ml = µg/l	1.70	1.28	2.13	Beckman Access standardised to Hybritech
	ng/ml = µg/l	0.897	0.673	1.12	Tosoh Series
	ng/ml = µg/l	0.935	0.701	1.17	Roche Cobas 4000/E411
	ng/ml = µg/l	0.924	0.693	1.16	Roche Cobas e601/602
	ng/ml = µg/l	1.47	1.10	1.84	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.76	1.32	2.20	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	0.448	0.336	0.560	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.35	1.01	1.69	Fujirebio Lumipulse G Series
	ng/ml = µg/l	1.90	1.43	2.38	Diasorin Liaison XL
	ng/ml = µg/l	1.40	1.05	1.75	Siemens Atellica IM
	ng/ml = µg/l	1.92	1.44	2.40	Abbott Alinity i
	ng/ml = µg/l	0.908	0.681	1.14	Roche Cobas e801
PSA Total	ng/ml = µg/l	1.45	1.09	1.81	Abbott Architect
	ng/ml = µg/l	2.12	1.59	2.65	BioMerieux Vidas
	ng/ml = µg/l	2.03	1.52	2.54	bioMerieux VIDAS TPSA
	ng/ml = µg/l	1.68	1.26	2.10	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.02	0.765	1.28	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	1.16	0.870	1.45	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	2.13	1.60	2.66	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	1.62	1.22	2.03	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.88	1.41	2.35	Roche Elecsys
	ng/ml = µg/l	1.79	1.34	2.24	Diasorin Liaison
	ng/ml = µg/l	2.23	1.67	2.79	Beckman Access standardised to Hybritech
	ng/ml = µg/l	2.27	1.70	2.84	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	1.50	1.13	1.88	Tosoh Series
	ng/ml = µg/l	1.96	1.47	2.45	Vitros ECi
	ng/ml = µg/l	2.32	1.74	2.90	CIS RIA Coated tube
	ng/ml = µg/l	1.93	1.45	2.41	Roche Cobas 4000/E411
	ng/ml = µg/l	2.04	1.53	2.55	Roche Cobas e601/602
	ng/ml = µg/l	1.38	1.04	1.73	Fujirebio Lumipulse G Series
	ng/ml = µg/l	1.97	1.48	2.46	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.61	1.21	2.01	Siemens Centaur CP
	ng/ml = µg/l	1.83	1.37	2.29	Diasorin Liaison XL
	ng/ml = µg/l	1.67	1.25	2.09	Siemens Atellica IM
	ng/ml = µg/l	1.54	1.16	1.93	Abbott Alinity i

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
PSA Total	ng/ml = µg/l	1.97	1.48	2.46	Roche Cobas e801
Salicylic Acid	mmol/l	0.261	0.209	0.313	Roche Cobas c501/502/503
	mg/dl	3.60	2.89	4.31	
	mmol/l	0.300	0.240	0.360	EMIT
	mg/dl	4.14	3.31	4.97	
	mmol/l	0.286	0.230	0.340	Gravimetric
	mg/dl	3.95	3.18	4.70	
SHBG	nmol/l	5.46	4.37	6.55	Siemens Immulite 2000/2500
	nmol/l	5.93	4.74	7.12	Abbott Architect
	nmol/l	5.25	4.20	6.30	Beckman Access
	nmol/l	4.96	3.97	5.95	Beckman Dxl800
	nmol/l	6.09	4.87	7.31	Siemens Atellica IM
	nmol/l	5.99	4.79	7.19	Roche analysers - 413417/15
	nmol/l	6.01	4.81	7.21	Roche Cobas e801 - 413429
	nmol/l	6.08	4.86	7.30	Abbott Alinity i
T Uptake	%U	37.4	30.7	44.1	Siemens Immulite 2000
Testosterone	nmol/l	2.52	2.02	3.02	Abbott Architect
	ng/ml	0.726	0.582	0.870	
	ng/dl	72.6	58.2	87.0	
	nmol/l	1.57	1.26	1.88	BioMerieux Vidas
	ng/ml	0.452	0.363	0.541	
	ng/dl	45.2	36.3	54.1	
	nmol/l	2.27	1.82	2.72	Siemens Centaur XP/XPT/Classic
	ng/ml	0.654	0.524	0.784	
	ng/dl	65.4	52.4	78.4	
	nmol/l	2.96	2.37	3.55	Siemens Immulite 2000/2500
	ng/ml	0.852	0.683	1.02	
	ng/dl	85.2	68.3	102	
	nmol/l	2.77	2.22	3.32	Siemens Immulite 1000
	ng/ml	0.798	0.639	0.957	
	ng/dl	79.8	63.9	95.7	
	nmol/l	2.69	2.15	3.23	Beckman Dxl800
	ng/ml	0.775	0.619	0.931	
	ng/dl	77.5	61.9	93.1	
	nmol/l	2.91	2.33	3.49	Beckman Access
	ng/ml	0.838	0.671	1.01	
	ng/dl	83.8	67.1	101	
	nmol/l	1.88	1.50	2.26	Tosoh Series
	ng/ml	0.541	0.432	0.650	
	ng/dl	54.1	43.2	65.0	
	nmol/l	2.27	1.82	2.72	Vitros ECI
	ng/ml	0.654	0.524	0.784	
	ng/dl	65.4	52.4	78.4	
	nmol/l	3.12	2.50	3.74	Roche Cobas e601/602 Test II
	ng/ml	0.899	0.720	1.08	
	ng/dl	89.9	72.0	108	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	3.25	2.60	3.90	Roche Elecsys Test II
	ng/ml	0.936	0.749	1.12	
	ng/dl	93.6	74.9	112	
	nmol/l	3.19	2.55	3.83	Roche Cobas 4000/e411 Test II
	ng/ml	0.919	0.734	1.10	
	ng/dl	91.9	73.4	110	
	nmol/l	2.49	1.99	2.99	Abbott Architect 2nd Generation
	ng/ml	0.717	0.573	0.861	
	ng/dl	71.7	57.3	86.1	
	nmol/l	1.72	1.38	2.06	BioMerieux Vidas Testosterone II
	ng/ml	0.495	0.397	0.593	
	ng/dl	49.5	39.7	59.3	
	nmol/l	2.28	1.82	2.74	Siemens Centaur TST II
	ng/ml	0.657	0.524	0.790	
	ng/dl	65.7	52.4	79.0	
	nmol/l	2.04	1.63	2.45	Siemens Atellica IM
	ng/ml	0.588	0.469	0.707	
	ng/dl	58.8	46.9	70.7	
	nmol/l	3.09	2.47	3.71	Roche Cobas e801 Test II
	ng/ml	0.890	0.711	1.07	
	ng/dl	89.0	71.1	107	
	nmol/l	2.52	2.02	3.02	Abbott Alinity i
	ng/ml	0.726	0.582	0.870	
	ng/dl	72.6	58.2	87.0	
Theophylline	µmol/l	29.4	23.5	35.3	Roche Integra
	µg/ml	5.30	4.23	6.37	
	µmol/l	28.6	22.9	34.3	Roche Cobas 6000/8000
	µg/ml	5.15	4.13	6.17	
	µmol/l	28.8	23.0	34.6	Beckman AU400/600/640/2700/5400
	µg/ml	5.19	4.14	6.24	
	µmol/l	26.3	21.0	31.6	Abbott Alinity Enzyme-Immu
	µg/ml	4.74	3.78	5.70	
	µmol/l	28.3	22.6	34.0	Gravimetric
	µg/ml	5.10	4.07	6.13	
Thyroglobulin	ng/ml	2.02	1.52	2.53	Roche Elecsys
	ng/ml	1.68	1.26	2.10	Beckman Dxl800
	ng/ml	2.12	1.59	2.65	Roche Cobas 4000/E411
	ng/ml	2.00	1.50	2.50	Roche Cobas e601/602
	ng/ml	1.63	1.22	2.04	Beckman Access
	ng/ml	1.97	1.48	2.46	Abbott Architect 2000i
	ng/ml	2.14	1.61	2.68	Tosoh Series
	ng/ml	2.01	1.51	2.51	Roche Cobas e601/602 Tg II
	ng/ml	2.06	1.55	2.58	Roche Elecsys TGII
	ng/ml	2.05	1.54	2.56	Roche Cobas 4000/E411 TGII
	ng/ml	2.11	1.58	2.64	Roche Cobas e801 Tg II
	ng/ml	0.756	0.567	0.945	DiaSorin Liaison XL TG II Gen

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Thyroglobulin	ng/ml	1.91	1.43	2.39	Abbott Alinity i
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.101	0.081	0.121	Abbott Architect
	µU/ml = mIU/l	0.075	0.060	0.090	bioMerieux VIDAS TSH
	µU/ml = mIU/l	0.076	0.061	0.091	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	0.117	0.094	0.140	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	0.015	0.012	0.018	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	0.117	0.094	0.140	Siemens Immulite 2000/2500
	µU/ml = mIU/l	0.129	0.103	0.155	Siemens Immulite 1000
	µU/ml = mIU/l	0.100	0.080	0.120	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	0.099	0.079	0.119	Beckman Dxl800
	µU/ml = mIU/l	0.140	0.112	0.168	Roche Elecsys
	µU/ml = mIU/l	0.186	0.149	0.223	Diasorin Liaison
	µU/ml = mIU/l	0.099	0.079	0.119	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	0.146	0.117	0.175	Tosoh Series
	µU/ml = mIU/l	0.139	0.111	0.167	Vitros ECI
	µU/ml = mIU/l	0.146	0.117	0.175	Roche Cobas 4000/E411
	µU/ml = mIU/l	0.146	0.117	0.175	Roche Cobas e601/602
	µU/ml = mIU/l	0.100	0.080	0.120	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	0.118	0.094	0.142	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	0.107	0.086	0.128	Siemens Centaur CP
	µU/ml = mIU/l	0.110	0.088	0.132	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	0.142	0.114	0.170	Mindray CL-2000i
	µU/ml = mIU/l	0.099	0.079	0.119	Beckman Dxl 600/800 Access (3rd IS)
	µU/ml = mIU/l	0.202	0.162	0.242	Diasorin Liaison XL
	µU/ml = mIU/l	0.116	0.093	0.139	Siemens Atellica IM
	µU/ml = mIU/l	0.105	0.084	0.126	Abbott Alinity i
	µU/ml = mIU/l	0.133	0.106	0.160	Roche Cobas 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	18.7	15.0	22.4	Abbott Architect
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	13.3	10.6	16.0	Siemens Centaur XP/XPT/Classic
	IU/ml	0.013	0.011	0.015	
	mU/ml=IU/l	11.2	8.96	13.4	Siemens Dimension
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	35.8	28.6	43.0	Siemens Immulite 2000
	IU/ml	0.036	0.029	0.043	
	mU/ml=IU/l	29.2	23.4	35.0	Siemens Immulite 1000
	IU/ml	0.029	0.023	0.035	
	mU/ml=IU/l	32.1	25.7	38.5	Beckman Dxl800
	IU/ml	0.032	0.026	0.038	
	mU/ml=IU/l	20.2	16.2	24.2	Roche Cobas Core EIA
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	30.0	24.0	36.0	Beckman Access
	IU/ml	0.030	0.024	0.036	
	mU/ml=IU/l	17.5	14.0	21.0	Tosoh Series
	IU/ml	0.018	0.014	0.022	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	7.27	5.82	8.72	Vitros ECI
	IU/ml	0.007	0.006	0.008	
	mU/ml=IU/l	2.86	2.29	3.43	Roche hCG STAT (Intact)
	IU/ml	0.003	0.002	0.004	
	mU/ml=IU/l	19.8	15.8	23.8	Roche hCG+Beta
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	29.8	23.8	35.8	Beckman Access Total BhCG (5th IS)
	IU/ml	0.030	0.024	0.036	
	mU/ml=IU/l	32.5	26.0	39.0	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.033	0.026	0.040	
	mU/ml=IU/l	11.4	9.12	13.7	Siemens Centaur CP
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	17.7	14.2	21.2	Diasorin Liaison XL
	IU/ml	0.018	0.014	0.022	
	mU/ml=IU/l	11.9	9.52	14.3	Siemens Atellica IM
	IU/ml	0.012	0.010	0.014	
Total T3	mU/ml=IU/l	18.9	15.1	22.7	Abbott Alinity i
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	20.1	16.1	24.1	Roche hCG+Beta e801
	IU/ml	0.020	0.016	0.024	
	nmol/l	1.60	1.20	2.00	Abbott Architect
	ng/ml	1.04	0.781	1.30	
	ng/dl	104	78.1	130	
	nmol/l	1.60	1.20	2.00	BioMerieux Vidas
	ng/ml	1.04	0.781	1.30	
	ng/dl	104	78.1	130	
	nmol/l	1.52	1.14	1.90	Siemens Centaur XP/XPT/Classic
	ng/ml	0.990	0.742	1.24	
	ng/dl	99.0	74.2	124	
	nmol/l	1.23	0.923	1.54	Siemens Immulite 2000/2500
	ng/ml	0.801	0.601	1.00	
	ng/dl	80.1	60.1	100	
	nmol/l	1.17	0.878	1.46	Siemens Immulite 1000
	ng/ml	0.762	0.572	0.952	
	ng/dl	76.2	57.2	95.2	
	nmol/l	2.00	1.50	2.50	Beckman Dxl800
	ng/ml	1.30	0.977	1.62	
	ng/dl	130	97.7	162	
	nmol/l	2.67	2.00	3.34	Roche Elecsys
	ng/ml	1.74	1.30	2.18	
	ng/dl	174	130	218	
	nmol/l	1.98	1.49	2.48	Beckman Access
	ng/ml	1.29	0.970	1.61	
	ng/dl	129	97.0	161	
	nmol/l	1.51	1.13	1.89	Tosoh Series
	ng/ml	0.983	0.736	1.23	
	ng/dl	98.3	73.6	123	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	1.93	1.45	2.41	Vitros ECI
	ng/ml	1.26	0.944	1.58	
	ng/dl	126	94.4	158	
	nmol/l	1.03	0.773	1.29	CIS RIA Coated tube
	ng/ml	0.671	0.503	0.839	
	ng/dl	67.1	50.3	83.9	
	nmol/l	2.67	2.00	3.34	Roche Cobas 4000/E411
	ng/ml	1.74	1.30	2.18	
	ng/dl	174	130	218	
	nmol/l	2.57	1.93	3.21	Roche Cobas e601/602
	ng/ml	1.67	1.26	2.08	
	ng/dl	167	126	208	
	nmol/l	1.23	0.923	1.54	Diasorin Liaison XL
	ng/ml	0.801	0.601	1.00	
	ng/dl	80.1	60.1	100	
	nmol/l	1.60	1.20	2.00	Abbott Alinity i
	ng/ml	1.04	0.781	1.30	
	ng/dl	104	78.1	130	
	nmol/l	1.64	1.23	2.05	Siemens Atellica IM
	ng/ml	1.07	0.801	1.34	
	ng/dl	107	80.1	134	
	nmol/l	2.64	1.98	3.30	Roche Cobas e801
	ng/ml	1.72	1.29	2.15	
	ng/dl	172	129	215	
Total T4	nmol/l	33.2	24.9	41.5	Abbott Architect
	µg/dl	2.59	1.94	3.24	
	ng/ml	25.9	19.4	32.4	
	nmol/l	33.8	25.4	42.3	BioMerieux Vidas
	µg/dl	2.64	1.98	3.30	
	ng/ml	26.4	19.8	33.0	
	nmol/l	19.8	14.9	24.8	Siemens Centaur XP/XPT/Classic
	µg/dl	1.54	1.16	1.92	
	ng/ml	15.4	11.6	19.2	
	nmol/l	25.6	19.2	32.0	Siemens Immulite 2000/2500
	µg/dl	2.00	1.50	2.50	
	ng/ml	20.0	15.0	25.0	
	nmol/l	24.9	18.7	31.1	Beckman Dxl800
	µg/dl	1.94	1.46	2.42	
	ng/ml	19.4	14.6	24.2	
	nmol/l	41.4	31.1	51.8	Roche Elecsys
	µg/dl	3.23	2.43	4.03	
	ng/ml	32.3	24.3	40.3	
	nmol/l	23.2	17.4	29.0	Tosoh Series
	µg/dl	1.81	1.36	2.26	
	ng/ml	18.1	13.6	22.6	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	24.6	18.5	30.8	Vitros ECI
	µg/dl	1.92	1.44	2.40	
	ng/ml	19.2	14.4	24.0	
	nmol/l	28.7	21.5	35.9	CIS RIA Coated tube
	µg/dl	2.24	1.68	2.80	
	ng/ml	22.4	16.8	28.0	
	nmol/l	37.8	28.4	47.3	Roche Cobas 4000/E411
	µg/dl	2.95	2.22	3.68	
	ng/ml	29.5	22.2	36.8	
	nmol/l	34.2	25.7	42.8	Roche Cobas e601/602
	µg/dl	2.67	2.00	3.34	
	ng/ml	26.7	20.0	33.4	
	nmol/l	27.8	20.9	34.8	Immunotech IRMA
	µg/dl	2.17	1.63	2.71	
	ng/ml	21.7	16.3	27.1	
	nmol/l	32.9	24.7	41.1	Diasorin Liaison XL
	µg/dl	2.57	1.93	3.21	
	ng/ml	25.7	19.3	32.1	
	nmol/l	29.7	22.3	37.1	Abbott Alinity i
	µg/dl	2.32	1.74	2.90	
	ng/ml	23.2	17.4	29.0	
	nmol/l	22.7	17.0	28.4	Siemens Atellica IM
	µg/dl	1.77	1.33	2.21	
	ng/ml	17.7	13.3	22.1	
	nmol/l	34.2	25.7	42.8	Roche Cobas e801
	µg/dl	2.67	2.00	3.34	
	ng/ml	26.7	20.0	33.4	
Valproic Acid	µmol/l	223	178	268	Abbott Architect (CMIA)
	µg/ml	32.2	25.7	38.7	
	µmol/l	231	185	277	Siemens Centaur XP/XPT/Classic
	µg/ml	33.3	26.7	39.9	
	µmol/l	204	163	245	Siemens Dimension
	µg/ml	29.4	23.5	35.3	
	µmol/l	195	156	234	Siemens Immulite 2000/2500
	µg/ml	28.1	22.5	33.7	
	µmol/l	215	172	258	Siemens Immulite 1000
	µg/ml	31.0	24.8	37.2	
	µmol/l	200	160	240	Roche Integra
	µg/ml	28.9	23.1	34.7	
	µmol/l	205	164	246	Roche Cobas 6000/8000
	µg/ml	29.6	23.7	35.5	
	µmol/l	224	179	269	Beckman AU400/600/640/2700/5400
	µg/ml	32.3	25.8	38.8	
	µmol/l	225	180	270	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	32.5	26.0	39.0	

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	µmol/l	198	158	238	Abbott Architect (PETINA)
	µg/ml	28.6	22.8	34.4	
	µmol/l	228	182	274	EMIT
	µg/ml	32.9	26.3	39.5	
	µmol/l	209	167	251	Siemens Atellica CH
	µg/ml	30.2	24.1	36.3	
	µmol/l	191	153	229	Abbott Alinity (PETINA)
	µg/ml	27.6	22.1	33.1	
Vancomycin	µmol/l	243	194	292	Gravimetric
	µg/ml	35.1	28.0	42.1	
	µmol/l	3.40	2.72	4.08	Roche Integra
	µg/ml	5.05	4.04	6.06	
	µmol/l	3.26	2.61	3.91	Abbott Architect (CMIA)
	µg/ml	4.84	3.88	5.80	
	µmol/l	2.49	1.99	2.99	Siemens Centaur XP/XPT/Classic
	µg/ml	3.70	2.96	4.44	
	µmol/l	3.07	2.46	3.68	Siemens Dimension
	µg/ml	4.56	3.65	5.47	
	µmol/l	3.10	2.48	3.72	Roche Cobas 6000/8000
	µg/ml	4.61	3.68	5.54	
	µmol/l	3.04	2.43	3.65	Thermo Scientific QMS Vancomycin
	µg/ml	4.52	3.61	5.43	
	µmol/l	3.04	2.43	3.65	Siemens Atellica CH
	µg/ml	4.52	3.61	5.43	
Vitamin B12	µmol/l	3.23	2.58	3.88	Abbott Alinity (PETINA)
	µg/ml	4.80	3.83	5.77	
	µmol/l	3.43	2.74	4.12	Gravimetric
	µg/ml	5.10	4.07	6.12	
	pmol/l	144	115	173	Abbott Architect
	pg/ml	195	156	234	
	pmol/l	115	92.0	138	Siemens Centaur XP/XPT/Classic
	pg/ml	156	125	187	
	pmol/l	115	92.0	138	Siemens Immulite 2000
	pg/ml	156	125	187	
	pmol/l	89.8	71.8	108	Beckman Dxl800
	pg/ml	122	97.3	147	
	pmol/l	139	111	167	Roche Elecsys
	pg/ml	188	150	226	
	pmol/l	94.5	75.6	113	Beckman Access
	pg/ml	128	102	154	
	pmol/l	135	108	162	Tosoh Series
	pg/ml	183	146	220	
	pmol/l	138	110	166	Vitros ECi
	pg/ml	187	149	225	
	pmol/l	136	109	163	Roche Cobas 4000/e411 Gen II
	pg/ml	184	148	220	



IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2074EC Size 12 x 5ml / 4 x 5ml Expiry 2024-07-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	134	107	161	Roche Cobas e601/602 Gen II
	pg/ml	182	145	219	
	pmol/l	129	103	155	Siemens Atellica IM
	pg/ml	175	140	210	
	pmol/l	222	178	266	Abbott Alinity i
	pg/ml	301	241	361	
	pmol/l	129	103	155	Roche Cobas e801 Gen II
	pg/ml	175	140	210	

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

CAT. NO. IA3110
CAT. NO. IA3112
LOT NO. 2124EC

GTIN: 05055273207262
GTIN: 05055273207286
EXPIRY: 2024-10-28

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

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

STORAGE AND STABILITY

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

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

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

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

PREPARATION

Immunoassay Premium Plus is supplied lyophilised.

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

MATERIALS PROVIDED

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

MATERIAL REQUIRED BUT NOT PROVIDED

Volumetric pipette

VALUE ASSIGNMENT

Each batch of Immunoassay Premium Plus is submitted to a number of external laboratories. Values are assigned from a consensus of results obtained by these laboratories, using a unique statistical analysis. Average values should normally fall within the listed ranges for analytes in the instruments specified in this product insert. However, variations may be caused by instrument reagents and laboratory technique. Therefore, the range produced herein should only be considered as a reference and it is recommended that each laboratory establish its own mean and acceptable ranges. 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. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	9.60	7.20	12.0	DRG ELISA
	ng/ml	3.18	2.38	3.98	
	nmol/l	9.01	6.76	11.3	DBC ELISA
	ng/ml	2.98	2.24	3.72	
25-OH Vitamin D	nmol/l	55.9	41.9	69.9	Diasorin Liaison
	nmol/l	68.3	51.2	85.4	Siemens Centaur XP/XPT/Classic
	nmol/l	47.2	35.4	59.0	Roche Vitamin D Total
	nmol/l	47.9	35.9	59.9	Abbott Architect (3L52)
	nmol/l	68.5	51.4	85.6	Vitros ECI
	nmol/l	51.9	38.9	64.9	Tosoh Series
	nmol/l	62.6	47.0	78.3	BioMerieux Vidas
	nmol/l	38.8	29.1	48.5	Beckman Dxl 600/800
	nmol/l	48.6	36.5	60.8	Fujirebio Lumipulse G Series
	nmol/l	41.8	31.4	52.3	Beckman Access 25 OH Vitamin D Total
	nmol/l	51.3	38.5	64.1	LC/MS
	nmol/l	46.9	35.2	58.6	Abbott Architect (5P02)/ Alinity (8P45)
	nmol/l	54.4	40.8	68.0	Diasorin Liaison XL
	nmol/l	48.6	36.5	60.8	Roche Vitamin D Total II
	nmol/l	49.1	36.8	61.4	Abbott Alinity i
	nmol/l	66.6	50.0	83.3	Siemens Atellica IM
	nmol/l	48.5	36.4	60.6	Roche Vitamin D Total II e801
ACTH	pmol/l	12.0	9.00	15.0	Siemens Immulite 2000/2500
	pg/ml	54.5	40.9	68.1	
	pmol/l	12.2	9.15	15.3	Roche Cobas 4000/E411
	pg/ml	55.4	41.6	69.2	
	pmol/l	12.2	9.15	15.3	Roche Cobas e601/602
	pg/ml	55.4	41.6	69.2	
	pmol/l	20.8	15.6	26.0	CIS IRMA
	pg/ml	94.5	70.9	118	
	pmol/l	18.1	13.6	22.6	Diasorin Liaison
	pg/ml	82.3	61.8	103	
	pmol/l	18.6	14.0	23.3	Diasorin Liaison XL
	pg/ml	84.5	63.6	105	
Aldosterone	pmol/l	685	514	856	DRG ELISA
	pg/ml	247	185	309	
	pmol/l	145	109	181	CIS RIA
	pg/ml	52.3	39.3	65.3	
	pmol/l	412	309	515	Diasorin Liaison
	pg/ml	149	111	187	
	pmol/l	399	299	499	Diasorin Liaison XL
	pg/ml	144	108	180	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	43.1	34.5	51.7	Abbott Architect
	ng/ml	52.2	41.7	62.7	
	KIU/l = IU/ml	42.4	33.9	50.9	BioMerieux Vidas
	ng/ml	51.3	41.0	61.6	
	KIU/l = IU/ml	48.1	38.5	57.7	Siemens Centaur XP/XPT/Classic
	ng/ml	58.2	46.6	69.8	
	KIU/l = IU/ml	43.6	34.9	52.3	Siemens Immulite 2000/2500
	ng/ml	52.8	42.2	63.4	
	KIU/l = IU/ml	44.8	35.8	53.8	Siemens Immulite 1000
	ng/ml	54.2	43.3	65.1	
	KIU/l = IU/ml	41.1	32.9	49.3	Beckman Dxl800
	ng/ml	49.7	39.8	59.6	
	KIU/l = IU/ml	48.2	38.6	57.8	Roche Elecsys
	ng/ml	58.3	46.7	69.9	
	KIU/l = IU/ml	43.5	34.8	52.2	Beckman Access
	ng/ml	52.6	42.1	63.1	
	KIU/l = IU/ml	42.9	34.3	51.5	Tosoh Series
	ng/ml	51.9	41.5	62.3	
	KIU/l = IU/ml	45.7	36.6	54.8	Vitros ECi
	ng/ml	47.5	38.0	57.0	
	KIU/l = IU/ml	48.1	38.5	57.7	Roche Cobas e601/602
	ng/ml	58.2	46.6	69.8	
	KIU/l = IU/ml	72.2	57.8	86.6	CIS IRMA
	ng/ml	87.4	69.9	105	
	KIU/l = IU/ml	47.6	38.1	57.1	Roche Cobas 4000/E411
	ng/ml	57.6	46.1	69.1	
	KIU/l = IU/ml	46.9	37.5	56.3	Fujirebio Lumipulse G Series
	ng/ml	56.7	45.4	68.0	
	KIU/l = IU/ml	46.5	37.2	55.8	Siemens Dimension
	ng/ml	56.3	45.0	67.6	
	KIU/l = IU/ml	48.2	38.6	57.8	Siemens Centaur CP
	ng/ml	58.3	46.7	69.9	
	KIU/l = IU/ml	47.1	37.7	56.5	Diasorin Liaison XL
	ng/ml	57.0	45.6	68.4	
	KIU/l = IU/ml	48.2	38.6	57.8	Siemens Atellica IM
	ng/ml	58.3	46.7	69.9	
	KIU/l = IU/ml	43.3	34.6	52.0	Abbott Alinity i
	ng/ml	52.4	41.9	62.9	
	KIU/l = IU/ml	46.3	37.0	55.6	Roche Cobas e801
	ng/ml	56.0	44.8	67.2	
Amikacin	µmol/l	14.6	11.7	17.5	Roche Cobas 6000/8000
	µg/ml	8.55	6.85	10.3	
	µmol/l	15.7	12.6	18.8	Abbott Architect
	µg/ml	9.19	7.38	11.0	
	µmol/l	15.6	12.5	18.7	Thermo Scientific QMS Amikacin
	µg/ml	9.14	7.32	11.0	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Amikacin	µmol/l	15.5	12.4	18.6	Abbott Alinity
	µg/ml	9.08	7.26	10.9	
	µmol/l	15.2	12.2	18.2	Gravimetric
	µg/ml	8.90	7.14	10.7	
Androstenedione	nmol/l	16.6	12.5	20.8	Siemens Immulite 2000
	ng/ml	4.76	3.59	5.93	
	nmol/l	14.7	11.0	18.4	Siemens Immulite 1000
	ng/ml	4.22	3.16	5.28	
	nmol/l	8.71	6.53	10.9	DRG ELISA
	ng/ml	2.50	1.87	3.13	
	nmol/l	9.14	6.86	11.4	Diasorin Liaison XL
	ng/ml	2.62	1.97	3.27	
Beta-2-microglobulin	µg/ml = mg/l	3.05	2.44	3.66	Abbott Architect
	µg/ml = mg/l	3.38	2.70	4.06	BioMerieux Vidas
	µg/ml = mg/l	3.03	2.42	3.64	Behring Nephelometer
	µg/ml = mg/l	2.83	2.26	3.40	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.43	2.74	4.12	Tosoh Series
	µg/ml = mg/l	3.08	2.46	3.70	Roche Cobas 6000/8000
	µg/ml = mg/l	2.82	2.26	3.38	Diasorin Liaison XL
	µg/ml = mg/l	3.04	2.43	3.65	Siemens Atellica CH
C-Peptide	µg/ml = mg/l	3.09	2.47	3.71	Abbott Alinity
	nmol/l	2.270	1.700	2.840	Siemens Immulite 2000/2500
	ng/ml	6.85	5.13	8.57	
	nmol/l	2.400	1.800	3.000	Roche Elecsys
	ng/ml	7.25	5.43	9.07	
	nmol/l	2.360	1.770	2.950	Roche Cobas e601/602
	ng/ml	7.12	5.34	8.90	
	nmol/l	2.410	1.810	3.010	Diasorin Liaison
	ng/ml	7.28	5.46	9.10	
	nmol/l	2.370	1.780	2.960	Roche Cobas 4000/E411
	ng/ml	7.16	5.37	8.95	
	nmol/l	2.100	1.580	2.630	Abbott Architect
	ng/ml	6.34	4.77	7.91	
	nmol/l	1.510	1.130	1.890	Siemens Centaur XP/XPT/Classic
	ng/ml	4.56	3.41	5.71	
	nmol/l	2.070	1.550	2.590	Tosoh Series
	ng/ml	6.25	4.68	7.82	
	nmol/l	2.460	1.850	3.080	Diasorin Liaison XL
	ng/ml	7.43	5.59	9.27	
	nmol/l	2.250	1.690	2.810	Roche Cobas e801
	ng/ml	6.79	5.10	8.48	
	nmol/l	1.520	1.140	1.900	Siemens Atellica IM
	ng/ml	4.59	3.44	5.74	
	nmol/l	2.080	1.560	2.600	Abbott Alinity i
	ng/ml	6.28	4.71	7.85	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
CA 15-3	U/ml	50.6	40.5	60.7	Abbott Architect
	U/ml	38.9	31.1	46.7	BioMerieux Vidas
	U/ml	40.1	32.1	48.1	Siemens Centaur XP/XPT/Classic
	U/ml	45.1	36.1	54.1	Siemens Immulite 2000/2500
	U/ml	48.3	38.6	58.0	Siemens Immulite 1000
	U/ml	19.9	15.9	23.9	Beckman Dxl800
	U/ml	45.1	36.1	54.1	Roche Elecsys
	U/ml	40.9	32.7	49.1	Diasorin Liaison
	U/ml	19.8	15.8	23.8	Beckman Access
	U/ml	43.3	34.6	52.0	Tosoh Series
	U/ml	37.3	29.8	44.8	Vitros ECI
	U/ml	46.1	36.9	55.3	Roche Cobas e601/602
	U/ml	45.4	36.3	54.5	Roche Cobas 4000/E411
	U/ml	41.6	33.3	49.9	Siemens Centaur CP
	U/ml	23.1	18.5	27.7	Mindray CL-2000i
	U/ml	41.8	33.4	50.2	Diasorin Liaison XL
	U/ml	43.8	35.0	52.6	Siemens Atellica IM
	U/ml	41.7	33.4	50.0	Roche Cobas e801
	U/ml	48.3	38.6	58.0	Abbott Alinity i
CA 19-9	U/ml	76.5	61.2	91.8	BioMerieux Vidas
	U/ml	109	87.2	131	Siemens Centaur XP/XPT/Classic
	U/ml	236	189	283	Siemens Immulite 2000/2500
	U/ml	302	242	362	Siemens Immulite 1000
	U/ml	239	191	287	Beckman Dxl800
	U/ml	76.6	61.3	91.9	Roche Elecsys
	U/ml	104	83.2	125	Diasorin Liaison
	U/ml	269	215	323	Beckman Access
	U/ml	65.7	52.6	78.8	Tosoh Series
	U/ml	135	108	162	Vitros ECI
	U/ml	147	118	176	Abbott Architect XR/XR2/XRL
	U/ml	77.4	61.9	92.9	Roche Cobas e601/602
	U/ml	78.3	62.6	94.0	Roche Cobas 4000/E411
	U/ml	142	114	170	Fujirebio Lumipulse G Series
	U/ml	90.6	72.5	109	Siemens Centaur CP
	U/ml	54.0	43.2	64.8	Mindray CL-2000i
	U/ml	125	100	150	Diasorin Liaison XL
	U/ml	108	86.4	130	Siemens Atellica IM
	U/ml	75.9	60.7	91.1	Roche Cobas e801
	U/ml	148	118	178	Abbott Alinity XR/XR2/XRL
CA125	U/ml	121	96.8	145	Abbott Architect
	U/ml	88.1	70.5	106	BioMerieux Vidas
	U/ml	96.3	77.0	116	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	100	80.0	120	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	84.0	67.2	101	Siemens Immulite 2000/2500
	U/ml	95.3	76.2	114	Siemens Immulite 1000
	U/ml	77.3	61.8	92.8	Beckman Dxl800

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
CA125	U/ml	83.4	66.7	100	Roche Elecsys
	U/ml	78.9	63.1	94.7	Beckman Access
	U/ml	140	112	168	Tosoh Series
	U/ml	86.0	68.8	103	Vitros ECI
	U/ml	85.2	68.2	102	Roche Cobas 4000/E411
	U/ml	86.8	69.4	104	Roche Cobas e601/602
	U/ml	78.8	63.0	94.6	Fujirebio Lumipulse G Series
	U/ml	102	81.6	122	Siemens Centaur CP CA125 II kit
	U/ml	128	102	154	Mindray CL-2000i
	U/ml	115	92.0	138	Diasorin Liaison XL
	U/ml	114	91.2	137	Siemens Atellica IM
	U/ml	82.8	66.2	99.0	Roche Cobas e801
	U/ml	126	101	151	Abbott Alinity i
Carbamazepine	µmol/l	39.8	31.8	47.8	Abbott Architect (CMIA)
	µg/ml	9.41	7.52	11.3	
	µmol/l	42.8	34.2	51.4	Siemens Centaur XP/XPT/Classic
	µg/ml	10.1	8.08	12.1	
	µmol/l	37.0	29.6	44.4	Siemens Dimension
	µg/ml	8.75	7.00	10.5	
	µmol/l	34.9	27.9	41.9	Siemens Immulite 2000/2500
	µg/ml	8.25	6.60	9.90	
	µmol/l	36.2	29.0	43.4	Siemens Immulite 1000
	µg/ml	8.56	6.86	10.3	
	µmol/l	40.0	32.0	48.0	Roche Integra
	µg/ml	9.46	7.56	11.4	
	µmol/l	39.6	31.7	47.5	Roche Cobas 6000/8000
	µg/ml	9.36	7.49	11.2	
	µmol/l	41.5	33.2	49.8	Beckman AU400/600/640/2700/5400
	µg/ml	9.81	7.85	11.8	
	µmol/l	33.7	27.0	40.4	Abbott Architect (PETINA)
	µg/ml	7.97	6.38	9.56	
	µmol/l	40.3	32.2	48.4	EMIT
	µg/ml	9.53	7.61	11.5	
	µmol/l	35.9	28.7	43.1	Siemens Atellica CH
	µg/ml	8.49	6.78	10.2	
Carcinoembryonic Antigen (CEA)	µmol/l	31.7	25.4	38.0	Abbott Alinity (PETINA)
	µg/ml	7.49	6.00	8.98	
	µmol/l	38.5	30.8	46.2	Gravimetric
	µg/ml	9.10	7.28	10.9	
	ng/ml = µg/l	33.8	27.0	40.6	Abbott Architect
	ng/ml = µg/l	28.7	23.0	34.4	BioMerieux Vidas
	ng/ml = µg/l	31.5	25.2	37.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	23.2	18.6	27.8	CIS RIA Coated tube
	ng/ml = µg/l	39.2	31.4	47.0	Siemens Immulite 2000/2500
	ng/ml = µg/l	40.5	32.4	48.6	Siemens Immulite 1000
	ng/ml = µg/l	27.2	21.8	32.6	Beckman Dxl800

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC 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	26.1	20.9	31.3	Roche Elecsys
	ng/ml = µg/l	27.0	21.6	32.4	Diasorin Liaison
	ng/ml = µg/l	28.5	22.8	34.2	Beckman Access
	ng/ml = µg/l	37.6	30.1	45.1	Tosoh Series
	ng/ml = µg/l	31.3	25.0	37.6	Vitros ECI
	ng/ml = µg/l	25.8	20.6	31.0	Roche Cobas e601/602
	ng/ml = µg/l	26.6	21.3	31.9	Roche Cobas 4000/E411
	ng/ml = µg/l	37.1	29.7	44.5	Fujirebio Lumipulse G Series
	ng/ml = µg/l	39.0	31.2	46.8	Boditech Med Inc i-CHROMA
	ng/ml = µg/l	32.4	25.9	38.9	Siemens Centaur CP
	ng/ml = µg/l	19.3	15.4	23.2	Mindray CL-2000i
	ng/ml = µg/l	27.9	22.3	33.5	Diasorin Liaison XL
	ng/ml = µg/l	31.1	24.9	37.3	Siemens Atellica IM
	ng/ml = µg/l	25.7	20.6	30.8	Roche Cobas e801
	ng/ml = µg/l	33.5	26.8	40.2	Abbott Alinity i
Cortisol	nmol/l	586	440	733	Abbott Architect
	µg/dl	21.1	15.8	26.4	
	nmol/l	615	461	769	BioMerieux Vidas
	µg/dl	22.1	16.6	27.6	
	nmol/l	742	557	928	Siemens Centaur XP/XPT/Classic
	µg/dl	26.7	20.1	33.3	
	nmol/l	485	364	606	CIS RIA
	µg/dl	17.5	13.1	21.9	
	nmol/l	627	470	784	Siemens Immulite 2000/2500
	µg/dl	22.6	16.9	28.3	
	nmol/l	663	497	829	Siemens Immulite 1000
	µg/dl	23.9	17.9	29.9	
	nmol/l	649	487	811	Beckman Dxl800
	µg/dl	23.4	17.5	29.3	
	nmol/l	645	484	806	Roche Elecsys
	µg/dl	23.2	17.4	29.0	
	nmol/l	709	532	886	Beckman Access
	µg/dl	25.5	19.2	31.8	
	nmol/l	718	539	898	Tosoh Series
	µg/dl	25.8	19.4	32.2	
	nmol/l	595	446	744	Vitros ECI
	µg/dl	21.4	16.1	26.7	
	nmol/l	638	479	798	Roche Cobas e601/602
	µg/dl	23.0	17.2	28.8	
	nmol/l	673	505	841	Roche Cobas 4000/E411
	µg/dl	24.2	18.2	30.2	
	nmol/l	730	548	913	Siemens Centaur CP
	µg/dl	26.3	19.7	32.9	
	nmol/l	666	500	833	Roche Cobas 4000/e411 Gen II
	µg/dl	24.0	18.0	30.0	
	nmol/l	636	477	795	Roche Cobas e601/602 Gen II
	µg/dl	22.9	17.2	28.6	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	642	482	803	Roche Elecsys Gen II
	µg/dl	23.1	17.4	28.8	
	nmol/l	649	487	811	Diasorin Liaison XL
	µg/dl	23.4	17.5	29.3	
	nmol/l	830	623	1038	Siemens Atellica IM
	µg/dl	29.9	22.4	37.4	
	nmol/l	636	477	795	Roche Cobas e801
	µg/dl	22.9	17.2	28.6	
	nmol/l	581	436	726	Abbott Alinity i
	µg/dl	20.9	15.7	26.1	
	µmol/l	14.3	11.4	17.2	Abbott Architect
	µmol/l	12.0	9.60	14.4	Siemens Immulite 2000/2500
DHEA-S	µmol/l	11.9	9.52	14.3	Siemens Immulite 1000
	µmol/l	11.9	9.52	14.3	Beckman Dxl800
	µmol/l	18.0	14.4	21.6	Roche Elecsys
	µmol/l	12.0	9.60	14.4	Beckman Access
	µmol/l	10.2	8.16	12.2	Diasorin Liaison
	µmol/l	12.4	9.92	14.9	Siemens Centaur XP/XPT/Classic
	µmol/l	17.6	14.1	21.1	Roche Cobas 4000/E411
	µmol/l	17.2	13.8	20.6	Roche Cobas e601/602
	µmol/l	10.7	8.56	12.8	Diasorin Liaison XL
	µmol/l	11.7	9.36	14.0	Siemens Atellica IM
	µmol/l	16.7	13.4	20.0	Roche Cobas e801
	µmol/l	14.6	11.7	17.5	Abbott Alinity i
	nmol/l	2.41	1.93	2.89	Abbott Architect (CMIA)
	ng/ml	1.88	1.51	2.25	
	nmol/l	2.67	2.14	3.20	BioMerieux Vidas
Digoxin	ng/ml	2.09	1.67	2.51	
	nmol/l	3.25	2.60	3.90	Siemens Centaur XP/XPT/Classic
	ng/ml	2.54	2.03	3.05	
	nmol/l	2.79	2.23	3.35	Siemens Dimension
	ng/ml	2.18	1.74	2.62	
	nmol/l	2.85	2.28	3.42	Beckman Dxl800
	ng/ml	2.23	1.78	2.68	
	nmol/l	2.83	2.26	3.40	Roche Integra
	ng/ml	2.21	1.77	2.65	
	nmol/l	2.83	2.26	3.40	Roche Cobas e601/602
	ng/ml	2.21	1.77	2.65	
	nmol/l	3.02	2.42	3.62	Beckman AU400/600/640/2700/5400
	ng/ml	2.36	1.89	2.83	
	nmol/l	2.98	2.38	3.58	Roche Cobas 4000/E411
	ng/ml	2.33	1.86	2.80	
	nmol/l	2.58	2.06	3.10	Abbott Architect (PETINA)
	ng/ml	2.01	1.61	2.41	
	nmol/l	2.86	2.29	3.43	Roche Cobas e801
	ng/ml	2.23	1.79	2.67	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	3.30	2.64	3.96	Siemens Atellica IM
	ng/ml	2.58	2.06	3.10	
	nmol/l	2.71	2.17	3.25	Siemens Atellica CH
	ng/ml	2.12	1.69	2.55	
	nmol/l	2.74	2.19	3.29	Abbott Alinity (CMIA)
	ng/ml	2.14	1.71	2.57	
	nmol/l	2.72	2.18	3.26	Abbott Alinity (PETINA)
	ng/ml	2.12	1.70	2.54	
Ethosuximide	nmol/l	3.07	2.46	3.68	Gravimetric
	ng/ml	2.40	1.92	2.87	
	µmol/l	360	288	432	Gravimetric
Ferritin	µg/ml	51.0	40.8	61.3	
	ng/ml = µg/l	99.0	79.2	119	Abbott Architect
	ng/ml = µg/l	74.3	59.4	89.2	BioMerieux Vidas
	ng/ml = µg/l	70.0	56.0	84.0	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	88.4	70.7	106	Siemens Dimension
	ng/ml = µg/l	85.9	68.7	103	Siemens Immulite 2000/2500
	ng/ml = µg/l	75.3	60.2	90.4	Siemens Immulite 1000
	ng/ml = µg/l	64.2	51.4	77.0	Beckman Dxl800
	ng/ml = µg/l	102	81.6	122	Roche Elecsys/Cobas e411
	ng/ml = µg/l	89.2	71.4	107	Diasorin Liaison
	ng/ml = µg/l	100	80.0	120	Roche Modular E170 / Roche Cobas e601/602
	ng/ml = µg/l	64.7	51.8	77.6	Beckman Access
	ng/ml = µg/l	64.1	51.3	76.9	Tosoh Series
	ng/ml = µg/l	59.0	47.2	70.8	Vitros ECI
	ng/ml = µg/l	101	80.8	121	Roche Cobas 4000/c311
	ng/ml = µg/l	81.8	65.4	98.2	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	98.8	79.0	119	Roche Cobas c501/502/503/701/702
	ng/ml = µg/l	69.8	55.8	83.8	Siemens Centaur CP
	ng/ml = µg/l	94.5	75.6	113	Diasorin Liaison XL
	ng/ml = µg/l	101	80.8	121	Abbott Alinity i
	ng/ml = µg/l	66.3	53.0	79.6	Siemens Atellica IM
	ng/ml = µg/l	98.3	78.6	118	Roche Cobas e801
Folate	nmol/l	9.78	7.43	12.1	Abbott Architect
	ng/ml	4.31	3.28	5.34	
	nmol/l	20.9	15.9	25.9	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	9.22	7.01	11.4	
	nmol/l	8.89	6.76	11.0	Siemens Immulite 2000
	ng/ml	3.92	2.98	4.86	
	nmol/l	11.9	9.04	14.8	Beckman Dxl 600 / 800 - A14208
	ng/ml	5.25	3.99	6.51	
	nmol/l	11.8	8.97	14.6	Beckman Access
	ng/ml	5.20	3.96	6.44	
	nmol/l	17.6	13.4	21.8	Tosoh Series
	ng/ml	7.76	5.91	9.61	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Folate	nmol/l	7.67	5.83	9.51	Vitros ECI
	ng/ml	3.38	2.57	4.19	
	nmol/l	7.03	5.34	8.72	Siemens Dimension
	ng/ml	3.10	2.35	3.85	
	nmol/l	12.1	9.20	15.0	Beckman Dxl 600 / 800 - A98032
	ng/ml	5.34	4.06	6.62	
	nmol/l	23.5	17.9	29.1	Siemens Centaur CP (enhanced kit)
	ng/ml	10.4	7.89	12.9	
	nmol/l	11.1	8.44	13.8	Roche Folate III - 04476433
	ng/ml	4.90	3.72	6.08	
	nmol/l	12.2	9.27	15.1	Roche Elecsys Folate
	ng/ml	5.38	4.09	6.67	
	nmol/l	11.1	8.44	13.8	Roche Folate III - 07559992
	ng/ml	4.90	3.72	6.08	
	nmol/l	9.35	7.11	11.6	Diasorin Liaison XL
	ng/ml	4.12	3.14	5.10	
	nmol/l	20.5	15.6	25.4	Siemens Atellica IM
	ng/ml	9.04	6.88	11.2	
	nmol/l	10.6	8.06	13.1	Abbott Alinity i
	ng/ml	4.67	3.55	5.79	
	nmol/l	11.7	8.89	14.5	Roche Folate 07027290 e801
	ng/ml	5.16	3.92	6.40	
Free T3	pmol/l	12.0	9.00	15.0	Abbott Architect, 2 point calibration
	ng/dl	0.780	0.585	0.975	
	pg/ml	7.81	5.86	9.76	
	pmol/l	12.8	9.60	16.0	BioMerieux Vidas
	ng/dl	0.832	0.624	1.04	
	pg/ml	8.33	6.25	10.4	
	pmol/l	12.9	9.68	16.1	Siemens Centaur XP/XPT/Classic
	ng/dl	0.839	0.629	1.05	
	pg/ml	8.40	6.30	10.5	
	pmol/l	9.55	7.16	11.9	Siemens Immulite 2000/2500
	ng/dl	0.621	0.465	0.777	
	pg/ml	6.22	4.66	7.78	
	pmol/l	10.2	7.65	12.8	Siemens Immulite 1000
	ng/dl	0.663	0.497	0.829	
	pg/ml	6.64	4.98	8.30	
	pmol/l	9.24	6.93	11.6	Beckman Dxl800
	ng/dl	0.601	0.450	0.752	
	pg/ml	6.02	4.51	7.53	
	pmol/l	15.3	11.5	19.1	Roche Elecsys
	ng/dl	0.995	0.748	1.24	
	pg/ml	9.96	7.49	12.4	
	pmol/l	15.9	11.9	19.9	Diasorin Liaison
	ng/dl	1.03	0.774	1.29	
	pg/ml	10.4	7.75	13.1	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	10.2	7.65	12.8	Beckman Access
	ng/dl	0.663	0.497	0.829	
	pg/ml	6.64	4.98	8.30	
	pmol/l	16.8	12.6	21.0	Tosoh Series
	ng/dl	1.09	0.819	1.36	
	pg/ml	10.9	8.20	13.6	
	pmol/l	29.6	22.2	37.0	Vitros ECI
	ng/dl	1.92	1.44	2.40	
	pg/ml	19.3	14.5	24.1	
	pmol/l	15.3	11.5	19.1	Roche Cobas 4000/E411
	ng/dl	0.995	0.748	1.24	
	pg/ml	9.96	7.49	12.4	
	pmol/l	15.3	11.5	19.1	Roche Cobas e601/602
	ng/dl	0.995	0.748	1.24	
	pg/ml	9.96	7.49	12.4	
	pmol/l	14.2	10.7	17.8	Siemens Dimension
	ng/dl	0.923	0.696	1.15	
	pg/ml	9.24	6.97	11.5	
	pmol/l	13.5	10.1	16.9	Siemens Centaur CP
	ng/dl	0.878	0.657	1.10	
	pg/ml	8.79	6.58	11.0	
	pmol/l	13.5	10.1	16.9	Mindray CL-2000i
	ng/dl	0.878	0.657	1.10	
	pg/ml	8.79	6.58	11.0	
	pmol/l	16.8	12.6	21.0	Diasorin Liaison XL
	ng/dl	1.09	0.819	1.36	
	pg/ml	10.9	8.20	13.6	
	pmol/l	13.4	10.1	16.8	Siemens Atellica IM
	ng/dl	0.871	0.657	1.09	
	pg/ml	8.72	6.58	10.9	
	pmol/l	12.1	9.08	15.1	Abbott Alinity, 2 point cal
	ng/dl	0.787	0.590	0.984	
	pg/ml	7.88	5.91	9.85	
	pmol/l	12.1	9.08	15.1	Abbott Architect, 6 point calibration
	ng/dl	0.787	0.590	0.984	
	pg/ml	7.88	5.91	9.85	
	pmol/l	15.1	11.3	18.9	Roche Cobas e801
	ng/dl	0.982	0.735	1.23	
	pg/ml	9.83	7.36	12.3	
	pmol/l	12.0	9.00	15.0	Abbott Alinity, 6 point cal
	ng/dl	0.780	0.585	0.975	
	pg/ml	7.81	5.86	9.76	
Free T4	pmol/l	22.3	16.7	27.9	Abbott Architect
	ng/dl	1.74	1.30	2.18	
	pg/ml	17.4	13.0	21.8	
	pmol/l	23.3	17.5	29.1	Siemens Centaur XP/XPT/Classic
	ng/dl	1.82	1.37	2.27	
	pg/ml	18.2	13.7	22.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	31.3	23.5	39.1	CIS RIA Coated tube
	ng/dl	2.44	1.83	3.05	
	pg/ml	24.4	18.3	30.5	
	pmol/l	32.9	24.7	41.1	Siemens Immulite 2000/2500
	ng/dl	2.57	1.93	3.21	
	pg/ml	25.7	19.3	32.1	
	pmol/l	33.9	25.4	42.4	Siemens Immulite 1000
	ng/dl	2.64	1.98	3.30	
	pg/ml	26.4	19.8	33.0	
	pmol/l	24.4	18.3	30.5	Beckman Dxl800
	ng/dl	1.90	1.43	2.37	
	pg/ml	19.0	14.3	23.7	
	pmol/l	28.9	21.7	36.1	Roche Elecsys
	ng/dl	2.25	1.69	2.81	
	pg/ml	22.5	16.9	28.1	
	pmol/l	34.2	25.7	42.8	Diasorin Liaison
	ng/dl	2.67	2.00	3.34	
	pg/ml	26.7	20.0	33.4	
	pmol/l	25.4	19.1	31.8	Beckman Access
	ng/dl	1.98	1.49	2.47	
	pg/ml	19.8	14.9	24.7	
	pmol/l	30.8	23.1	38.5	Tosoh Series
	ng/dl	2.40	1.80	3.00	
	pg/ml	24.0	18.0	30.0	
	pmol/l	64.0	48.0	80.0	Vitros ECI
	ng/dl	4.99	3.74	6.24	
	pg/ml	49.9	37.4	62.4	
	pmol/l	29.5	22.1	36.9	Roche Cobas e601/602
	ng/dl	2.30	1.72	2.88	
	pg/ml	23.0	17.2	28.8	
	pmol/l	22.6	17.0	28.3	Immunotech IRMA
	ng/dl	1.76	1.33	2.19	
	pg/ml	17.6	13.3	21.9	
	pmol/l	29.7	22.3	37.1	Roche Cobas 4000/E411
	ng/dl	2.32	1.74	2.90	
	pg/ml	23.2	17.4	29.0	
	pmol/l	32.3	24.2	40.4	Biomerieux Vidas FT4N Kit
	ng/dl	2.52	1.89	3.15	
	pg/ml	25.2	18.9	31.5	
	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	23.5	17.6	29.4	Siemens Centaur CP
	ng/dl	1.83	1.37	2.29	
	pg/ml	18.3	13.7	22.9	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	30.4	22.8	38.0	Mindray CL-2000i
	ng/dl	2.37	1.78	2.96	
	pg/ml	23.7	17.8	29.6	
	pmol/l	37.4	28.1	46.8	Diasorin Liaison XL
	ng/dl	2.92	2.19	3.65	
	pg/ml	29.2	21.9	36.5	
	pmol/l	23.7	17.8	29.6	Siemens Atellica IM
	ng/dl	1.85	1.39	2.31	
	pg/ml	18.5	13.9	23.1	
	pmol/l	21.3	16.0	26.6	Abbott Alinity i
	ng/dl	1.66	1.25	2.07	
	pg/ml	16.6	12.5	20.7	
FSH	pmol/l	29.9	22.4	37.4	Roche Cobas e801
	ng/dl	2.33	1.75	2.91	
	pg/ml	23.3	17.5	29.1	
	mU/ml	31.4	25.1	37.7	Abbott Architect
	mU/ml	38.4	30.7	46.1	BioMerieux Vidas
	mU/ml	41.8	33.4	50.2	Siemens Centaur XP/XPT/Classic
	mU/ml	35.0	28.0	42.0	Siemens Immulite 2000/2500
	mU/ml	35.6	28.5	42.7	Siemens Immulite 1000
	mU/ml	36.6	29.3	43.9	Beckman Dxl800
	mU/ml	34.1	27.3	40.9	Roche/BM Elecsys
	mU/ml	38.8	31.0	46.6	Diasorin Liaison
	mU/ml	36.5	29.2	43.8	Beckman Access
	mU/ml	37.5	30.0	45.0	Tosoh Series
	mU/ml	27.3	21.8	32.8	Vitros Eci
	mU/ml	35.2	28.2	42.2	Roche Cobas 4000/E411
	mU/ml	32.8	26.2	39.4	Roche Cobas e601/602
	mU/ml	30.0	24.0	36.0	Fujirebio Lumipulse G Series
	mU/ml	39.1	31.3	46.9	Siemens Centaur CP
	mU/ml	40.0	32.0	48.0	Mindray CL-2000i
	mU/ml	48.2	38.6	57.8	Diasorin Liaison XL
Gentamicin	mU/ml	41.9	33.5	50.3	Siemens Atellica IM
	mU/ml	31.0	24.8	37.2	Abbott Alinity i
	mU/ml	32.9	26.3	39.5	Roche Cobas e801
	µmol/l	12.5	10.0	15.0	Siemens Centaur XP/XPT/Classic
	µg/ml	5.98	4.78	7.18	
	µmol/l	10.9	8.72	13.1	Abbott Architect (CMIA)
	µg/ml	5.21	4.17	6.25	
	µmol/l	7.98	6.38	9.58	Roche Cobas 6000/8000 Online KIMS
	µg/ml	3.81	3.05	4.57	
	µmol/l	9.61	7.69	11.5	Roche Cobas 6000/8000 CEDIA
	µg/ml	4.59	3.68	5.50	
	µmol/l	10.9	8.72	13.1	Siemens Atellica CH
	µg/ml	5.21	4.17	6.25	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Gentamicin	µmol/l	10.8	8.64	13.0	Abbott Alinity (PETINA)
	µg/ml	5.16	4.13	6.19	
	µmol/l	8.16	6.53	9.79	Gravimetric
	µg/ml	3.90	3.12	4.68	
Growth Hormone (GH)	µU/ml	18.8	15.0	22.6	Siemens Immulite 2000/2500
	ng/ml	6.26	5.00	7.52	
	µU/ml	15.9	12.7	19.1	Siemens Immulite 1000
	ng/ml	5.29	4.23	6.35	
	µU/ml	13.8	11.0	16.6	Beckman DxI800
	ng/ml	4.60	3.66	5.54	
	µU/ml	15.0	12.0	18.0	Beckman Access
	ng/ml	5.00	4.00	6.00	
	µU/ml	17.1	13.7	20.5	Tosoh Series
	ng/ml	5.69	4.56	6.82	
	µU/ml	13.9	11.1	16.7	Diasorin Liaison
	ng/ml	4.63	3.70	5.56	
	µU/ml	16.1	12.9	19.3	Roche Cobas 4000/E411
	ng/ml	5.36	4.30	6.42	
	µU/ml	16.5	13.2	19.8	Roche Cobas e601/602
	ng/ml	5.49	4.40	6.58	
	µU/ml	15.8	12.6	19.0	IDS iSYS
	ng/ml	5.26	4.20	6.32	
	µU/ml	14.4	11.5	17.3	Diasorin Liaison XL
	ng/ml	4.80	3.83	5.77	
	µU/ml	16.8	13.4	20.2	Roche Cobas e801
	ng/ml	5.59	4.46	6.72	
Immunoglobulin E	KIU/l = IU/ml	83.6	66.9	100	Abbott Architect
	KIU/l = IU/ml	96.9	77.5	116	Beckman Immage
	KIU/l = IU/ml	89.3	71.4	107	BioMerieux Vidas
	KIU/l = IU/ml	95.9	76.7	115	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	103	82.4	124	Siemens Immulite 2000/2500
	KIU/l = IU/ml	107	85.6	128	Siemens Immulite 1000
	KIU/l = IU/ml	115	92.0	138	Roche Elecsys
	KIU/l = IU/ml	102	81.6	122	Pharmacia Unicap
	KIU/l = IU/ml	91.7	73.4	110	Tosoh Series
	KIU/l = IU/ml	114	91.2	137	Roche Cobas 4000/E411
	KIU/l = IU/ml	111	88.8	133	Roche Cobas e601/602
	KIU/l = IU/ml	95.6	76.5	115	Siemens Atellica IM
	KIU/l = IU/ml	112	89.6	134	Roche Cobas e801
	KIU/l = IU/ml	81.5	65.2	97.8	Abbott Alinity
Insulin	mU/l	9.83	7.37	12.3	Siemens Centaur XP/XPT/Classic
	µU/ml	9.83	7.37	12.3	
	mU/l	12.1	9.08	15.1	Roche Elecsys
	µU/ml	12.1	9.08	15.1	
	mU/l	8.91	6.68	11.1	Beckman Access
	µU/ml	8.91	6.68	11.1	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Insulin	mU/l	9.03	6.77	11.3	Abbott Architect
	µU/ml	9.03	6.77	11.3	
	mU/l	11.9	8.93	14.9	Tosoh Series
	µU/ml	11.9	8.93	14.9	
	mU/l	12.3	9.23	15.4	Roche Cobas 4000/E411
	µU/ml	12.3	9.23	15.4	
	mU/l	8.34	6.26	10.4	Beckman Dxl 600/800
	µU/ml	8.34	6.26	10.4	
	mU/l	12.3	9.23	15.4	Diasorin Liaison
	µU/ml	12.3	9.23	15.4	
	mU/l	12.0	9.00	15.0	Roche Cobas 6000/8000
	µU/ml	12.0	9.00	15.0	
	mU/l	10.3	7.73	12.9	Fujirebio Lumipulse G Series
	µU/ml	10.3	7.73	12.9	
	mU/l	13.2	9.90	16.5	Diasorin Liaison XL
	µU/ml	13.2	9.90	16.5	
Luteinising Hormone (LH)	mU/l	9.79	7.34	12.2	Siemens Atellica IM
	µU/ml	9.79	7.34	12.2	
	mU/l	8.04	6.03	10.1	Abbott Alinity i
	µU/ml	8.04	6.03	10.1	
	mU/ml	27.4	21.9	32.9	Abbott Architect
	mU/ml	32.3	25.8	38.8	BioMerieux Vidas
	mU/ml	34.6	27.7	41.5	Siemens Centaur XP/XPT/Classic
	mU/ml	49.0	39.2	58.8	Siemens Immulite 2000
	mU/ml	49.6	39.7	59.5	Siemens Immulite 1000
	mU/ml	28.3	22.6	34.0	Beckman Dxl800
	mU/ml	36.5	29.2	43.8	Roche Elecsys
	mU/ml	42.7	34.2	51.2	Diasorin Liaison
	mU/ml	28.4	22.7	34.1	Beckman Access
	mU/ml	31.6	25.3	37.9	Tosoh Series
	mU/ml	46.7	37.4	56.0	Vitros ECI
	mU/ml	37.5	30.0	45.0	Roche Cobas 4000/E411
	mU/ml	37.3	29.8	44.8	Roche Cobas e601/602
	mU/ml	31.1	24.9	37.3	Fujirebio Lumipulse G Series
	mU/ml	34.9	27.9	41.9	Siemens Centaur CP
	mU/ml	37.6	30.1	45.1	Mindray CL-2000i
Oestradiol	mU/ml	42.8	34.2	51.4	Diasorin Liaison XL
	mU/ml	35.1	28.1	42.1	Siemens Atellica IM
	mU/ml	26.6	21.3	31.9	Abbott Alinity i
	mU/ml	37.4	29.9	44.9	Roche Cobas e801
	pmol/l	755	604	906	Abbott Architect
	pg/ml	205	164	246	
	pmol/l	1343	1074	1612	BioMerieux Vidas
	pg/ml	365	292	438	
	pmol/l	1037	830	1244	Siemens Centaur XP/XPT/Classic
	pg/ml	282	226	338	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	1117	894	1340	Siemens Immulite 2000/2500
	pg/ml	304	243	365	
	pmol/l	1103	882	1324	Siemens Immulite 1000
	pg/ml	300	240	360	
	pmol/l	803	642	964	Beckman Dxl800
	pg/ml	218	175	261	
	pmol/l	794	635	953	Roche Elecsys (Estradiol II)
	pg/ml	216	173	259	
	pmol/l	945	756	1134	Beckman Access
	pg/ml	257	206	308	
	pmol/l	1157	926	1388	Vitros ECI
	pg/ml	315	252	378	
	pmol/l	626	501	751	Diasorin Liaison
	pg/ml	170	136	204	
	pmol/l	809	647	971	Roche Cobas e601/602 (Estradiol II)
	pg/ml	220	176	264	
	pmol/l	803	642	964	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	218	175	261	
	pmol/l	1060	848	1272	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	288	231	345	
	pmol/l	779	623	935	Tosoh (iE2-hsE2)
	pg/ml	212	169	255	
	pmol/l	1051	841	1261	Siemens Centaur CP Enhanced (eE2)
	pg/ml	286	229	343	
	pmol/l	1041	833	1249	Fujirebio Lumipulse G Series
	pg/ml	283	227	339	
	pmol/l	812	650	974	Roche Cobas e601/602 (Estradiol III)
	pg/ml	221	177	265	
	pmol/l	793	634	952	Roche Elecsys (Estradiol III)
	pg/ml	216	172	260	
	pmol/l	805	644	966	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	219	175	263	
	pmol/l	644	515	773	Diasorin Liaison XL
	pg/ml	175	140	210	
	pmol/l	872	698	1046	Beckman Access / Access 2 Sensitive B84493
	pg/ml	237	190	284	
	pmol/l	793	634	952	Beckman Dxl600/800 Sensitive B84493
	pg/ml	216	172	260	
	pmol/l	1112	890	1334	Siemens Atellica IM
	pg/ml	302	242	362	
	pmol/l	742	594	890	Abbott Alinity i
	pg/ml	202	162	242	
	pmol/l	803	642	964	Roche Cobas e801 (Estradiol III)
	pg/ml	218	175	261	
Paracetamol	mmol/l	0.333	0.266	0.400	Abbott Architect
	mg/l	50.4	40.2	60.6	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Paracetamol	mmol/l	0.312	0.250	0.374	Roche Cobas c501/502/503/701/702
	mg/l	47.2	37.8	56.6	
	mmol/l	0.337	0.270	0.404	Beckman AU Instruments
	mg/l	51.0	40.9	61.1	
	mmol/l	0.352	0.282	0.422	EMIT
	mg/l	53.3	42.7	63.9	
	mmol/l	0.341	0.273	0.409	Abbott Alinity
	mg/l	51.6	41.3	61.9	
Phenobarbital	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.7	42.4	63.5	
	µmol/l	81.9	65.5	98.3	Abbott Architect (CMIA)
	µg/ml	19.0	15.2	22.8	
	µmol/l	72.9	58.3	87.5	Roche Cobas e601/602/801
	µg/ml	16.9	13.5	20.3	
	µmol/l	76.9	61.5	92.3	Beckman AU400/600/640/2700/5400
	µg/ml	17.8	14.3	21.3	
	µmol/l	105	84.0	126	Siemens Centaur XP/XPT/Classic
	µg/ml	24.4	19.5	29.3	
	µmol/l	77.2	61.8	92.6	Roche Integra
	µg/ml	17.9	14.3	21.5	
Phenytoin	µmol/l	81.1	64.9	97.3	Siemens Atellica CH
	µg/ml	18.8	15.1	22.5	
	µmol/l	70.0	56.0	84.0	Abbott Alinity (PETINA)
	µg/ml	16.2	13.0	19.4	
	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	
	µmol/l	66.3	53.0	79.6	Abbott Architect
	µg/ml	16.7	13.4	20.0	
	µmol/l	82.7	66.2	99.0	Siemens Centaur XP/XPT/Classic
	µg/ml	20.9	16.7	25.1	
	µmol/l	73.5	58.8	88.2	Siemens Dimension
	µg/ml	18.6	14.8	22.4	
	µmol/l	65.2	52.2	78.2	Siemens Immulite 2000/2500
	µg/ml	16.5	13.2	19.8	
	µmol/l	66.1	52.9	79.3	Roche Integra
	µg/ml	16.7	13.4	20.0	
	µmol/l	67.4	53.9	80.9	Vitros
	µg/ml	17.0	13.6	20.4	
	µmol/l	67.1	53.7	80.5	Roche Cobas 6000/8000
	µg/ml	16.9	13.6	20.2	
	µmol/l	66.5	53.2	79.8	EMIT
	µg/ml	16.8	13.4	20.2	
	µmol/l	70.8	56.6	85.0	Siemens Atellica CH
	µg/ml	17.9	14.3	21.5	
	µmol/l	70.6	56.5	84.7	Abbott Alinity
	µg/ml	17.8	14.3	21.3	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Phenytoin	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	29.3	23.4	35.2	Abbott Architect
	ng/ml	9.17	7.32	11.0	
	nmol/l	45.8	36.6	55.0	BioMerieux Vidas
	ng/ml	14.3	11.5	17.1	
	nmol/l	25.8	20.6	31.0	Siemens Centaur XP/XPT/Classic
	ng/ml	8.08	6.45	9.71	
	nmol/l	27.7	22.2	33.2	Siemens Immulite 2000/2500
	ng/ml	8.67	6.95	10.4	
	nmol/l	30.5	24.4	36.6	Siemens Immulite 1000
	ng/ml	9.55	7.64	11.5	
	nmol/l	32.4	25.9	38.9	Beckman Dxl Prog Cal 33555
	ng/ml	10.1	8.11	12.1	
	nmol/l	36.1	28.9	43.3	Roche Elecsys (Prog. II)
	ng/ml	11.3	9.05	13.6	
	nmol/l	32.8	26.2	39.4	Beckman Access Prog Cal 33555
	ng/ml	10.3	8.20	12.4	
	nmol/l	40.3	32.2	48.4	Tosoh Series
	ng/ml	12.6	10.1	15.1	
	nmol/l	36.4	29.1	43.7	Vitros Eci
	ng/ml	11.4	9.11	13.7	
	nmol/l	35.4	28.3	42.5	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	11.1	8.86	13.3	
	nmol/l	35.8	28.6	43.0	Roche Cobas e601/602 (Prog. II)
	ng/ml	11.2	8.95	13.5	
	nmol/l	30.3	24.2	36.4	Diasorin Liaison
	ng/ml	9.48	7.57	11.4	
	nmol/l	29.7	23.8	35.6	Beckman Dxl Prog DE Cal A80773
	ng/ml	9.30	7.45	11.2	
	nmol/l	28.3	22.6	34.0	Beckman Access Prog DE Cal A80773
	ng/ml	8.86	7.07	10.7	
	nmol/l	26.8	21.4	32.2	Siemens Centaur CP
	ng/ml	8.39	6.70	10.1	
	nmol/l	47.1	37.7	56.5	Mindray CL-2000i
	ng/ml	14.7	11.8	17.6	
	nmol/l	35.9	28.7	43.1	Roche Cobas e601/602 (Prog. III)
	ng/ml	11.2	8.98	13.4	
	nmol/l	35.8	28.6	43.0	Roche Elecsys (Prog. III)
	ng/ml	11.2	8.95	13.5	
	nmol/l	35.6	28.5	42.7	Roche Cobas 4000/e411 (Prog. III)
	ng/ml	11.1	8.92	13.3	
	nmol/l	32.8	26.2	39.4	Diasorin Liaison XL
	ng/ml	10.3	8.20	12.4	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	28.3	22.6	34.0	Abbott Alinity i
	ng/ml	8.86	7.07	10.7	
	nmol/l	35.9	28.7	43.1	Roche Cobas e801 (Prog. III)
	ng/ml	11.2	8.98	13.4	
Prolactin	µU/ml	587	470	704	Abbott Architect
	µU/ml	658	526	790	BioMerieux Vidas
	µU/ml	477	382	572	Siemens Centaur XP/XPT/Classic
	µU/ml	500	400	600	Siemens Immulite 2000/2500
	µU/ml	557	446	668	Siemens Immulite 1000
	µU/ml	493	394	592	Beckman Dxl800
	µU/ml	638	510	766	Roche Elecsys
	µU/ml	661	529	793	Diasorin Liaison
	µU/ml	508	406	610	Beckman Access
	µU/ml	548	438	658	Tosoh Series
	µU/ml	528	422	634	Vitros ECi
	µU/ml	616	493	739	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	574	459	689	Immunotech IRMA
	µU/ml	649	519	779	Roche Cobas 4000/E411
	µU/ml	619	495	743	Roche Cobas e601/602
	µU/ml	645	516	774	Fujirebio Lumipulse G Series
	µU/ml	465	372	558	Siemens Centaur CP
	µU/ml	660	528	792	Mindray CL-2000i
	µU/ml	624	499	749	Diasorin Liaison XL
	µU/ml	471	377	565	Siemens Atellica IM
PSA Free	µU/ml	609	487	731	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	13.2	9.90	16.5	BioMerieux Vidas
	ng/ml = µg/l	9.92	7.44	12.4	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	8.54	6.41	10.7	Siemens Immulite 2000/2500
	ng/ml = µg/l	8.04	6.03	10.1	Siemens Immulite 1000
	ng/ml = µg/l	12.9	9.68	16.1	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	10.2	7.65	12.8	Roche Elecsys
	ng/ml = µg/l	9.05	6.79	11.3	Diasorin Liaison
	ng/ml = µg/l	13.2	9.90	16.5	Beckman Access standardised to Hybritech
	ng/ml = µg/l	9.62	7.22	12.0	Tosoh Series
	ng/ml = µg/l	9.91	7.43	12.4	Roche Cobas 4000/E411
	ng/ml = µg/l	9.78	7.34	12.2	Roche Cobas e601/602
	ng/ml = µg/l	8.77	6.58	11.0	Siemens Dimension Vista
	ng/ml = µg/l	11.7	8.78	14.6	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	12.1	9.08	15.1	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	9.54	7.16	11.9	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	8.05	6.04	10.1	Fujirebio Lumipulse G Series
	ng/ml = µg/l	10.0	7.50	12.5	Diasorin Liaison XL
	ng/ml = µg/l	10.5	7.88	13.1	Siemens Atellica IM
	ng/ml = µg/l	11.2	8.40	14.0	Abbott Alinity i

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
PSA Free	ng/ml = µg/l	9.39	7.04	11.7	Roche Cobas e801
PSA Total	ng/ml = µg/l	9.97	7.48	12.5	Abbott Architect
	ng/ml = µg/l	11.3	8.48	14.1	BioMerieux Vidas
	ng/ml = µg/l	11.8	8.85	14.8	bioMerieux VIDAS TPSA
	ng/ml = µg/l	11.5	8.63	14.4	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	9.95	7.46	12.4	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	9.53	7.15	11.9	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	10.3	7.73	12.9	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	12.0	9.00	15.0	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	10.1	7.58	12.6	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	12.5	9.38	15.6	Roche Elecsys
	ng/ml = µg/l	12.1	9.08	15.1	Diasorin Liaison
	ng/ml = µg/l	12.5	9.38	15.6	Beckman Access standardised to Hybritech
	ng/ml = µg/l	12.1	9.08	15.1	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	9.10	6.83	11.4	Tosoh Series
	ng/ml = µg/l	12.8	9.60	16.0	Vitros ECi
	ng/ml = µg/l	14.1	10.6	17.6	CIS RIA Coated tube
	ng/ml = µg/l	13.0	9.75	16.3	Roche Cobas 4000/E411
	ng/ml = µg/l	12.6	9.45	15.8	Roche Cobas e601/602
	ng/ml = µg/l	9.15	6.86	11.4	Fujirebio Lumipulse G Series
	ng/ml = µg/l	12.9	9.68	16.1	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	11.1	8.33	13.9	Siemens Centaur CP
	ng/ml = µg/l	11.5	8.63	14.4	Diasorin Liaison XL
	ng/ml = µg/l	12.2	9.15	15.3	Siemens Atellica IM
	ng/ml = µg/l	10.0	7.50	12.5	Abbott Alinity i
	ng/ml = µg/l	12.2	9.15	15.3	Roche Cobas e801
Salicylic Acid	mmol/l	1.21	0.968	1.45	Abbott Architect
	mg/dl	16.7	13.4	20.0	
	mmol/l	1.20	0.960	1.44	Roche Cobas c501/502/503
	mg/dl	16.6	13.3	19.9	
	mmol/l	1.26	1.01	1.51	EMIT
	mg/dl	17.4	14.0	20.8	
SHBG	mmol/l	1.22	0.980	1.46	Gravimetric
	mg/dl	16.9	13.5	20.2	
	nmol/l	39.6	31.7	47.5	Siemens Immulite 2000/2500
	nmol/l	42.8	34.2	51.4	Abbott Architect
	nmol/l	42.1	33.7	50.5	Beckman Access
	nmol/l	41.4	33.1	49.7	Beckman Dxl800
	nmol/l	41.4	33.1	49.7	Siemens Atellica IM
	nmol/l	39.3	31.4	47.2	Roche analysers - 413417/15
T Uptake	nmol/l	37.0	29.6	44.4	Roche Cobas e801 - 413429
	nmol/l	42.3	33.8	50.8	Abbott Alinity i
	%U	33.3	27.3	39.3	Siemens Immulite 2000
Testosterone	nmol/l	14.0	11.2	16.8	Abbott Architect
	ng/ml	4.03	3.23	4.83	
	ng/dl	403	323	483	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	12.4	9.92	14.9	BioMerieux Vidas
	ng/ml	3.57	2.86	4.28	
	ng/dl	357	286	428	
	nmol/l	14.5	11.6	17.4	Siemens Centaur XP/XPT/Classic
	ng/ml	4.18	3.34	5.02	
	ng/dl	418	334	502	
	nmol/l	14.2	11.4	17.0	CIS RIA Coated tube
	ng/ml	4.09	3.28	4.90	
	ng/dl	409	328	490	
	nmol/l	16.1	12.9	19.3	Siemens Immulite 2000/2500
	ng/ml	4.64	3.72	5.56	
	ng/dl	464	372	556	
	nmol/l	16.8	13.4	20.2	Siemens Immulite 1000
	ng/ml	4.84	3.86	5.82	
	ng/dl	484	386	582	
	nmol/l	12.5	10.0	15.0	Beckman Dxl800
	ng/ml	3.60	2.88	4.32	
	ng/dl	360	288	432	
	nmol/l	13.7	11.0	16.4	Beckman Access
	ng/ml	3.95	3.17	4.73	
	ng/dl	395	317	473	
	nmol/l	18.4	14.7	22.1	Tosoh Series
	ng/ml	5.30	4.23	6.37	
	ng/dl	530	423	637	
	nmol/l	17.5	14.0	21.0	Vitros ECI
	ng/ml	5.04	4.03	6.05	
	ng/dl	504	403	605	
	nmol/l	14.6	11.7	17.5	Roche Cobas e601/602 Test II
	ng/ml	4.20	3.37	5.03	
	ng/dl	420	337	503	
	nmol/l	14.9	11.9	17.9	Roche Elecsys Test II
	ng/ml	4.29	3.43	5.15	
	ng/dl	429	343	515	
	nmol/l	14.6	11.7	17.5	Roche Cobas 4000/e411 Test II
	ng/ml	4.20	3.37	5.03	
	ng/dl	420	337	503	
	nmol/l	13.8	11.0	16.6	Abbott Architect 2nd Generation
	ng/ml	3.97	3.17	4.77	
	ng/dl	397	317	477	
	nmol/l	12.3	9.84	14.8	BioMerieux Vidas Testosterone II
	ng/ml	3.54	2.83	4.25	
	ng/dl	354	283	425	
	nmol/l	20.9	16.7	25.1	Mindray CL-2000i
	ng/ml	6.02	4.81	7.23	
	ng/dl	602	481	723	
	nmol/l	14.4	11.5	17.3	Siemens Centaur TST II
	ng/ml	4.15	3.31	4.99	
	ng/dl	415	331	499	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	8.46	6.77	10.2	Diasorin Liaison XL
	ng/ml	2.44	1.95	2.93	
	ng/dl	244	195	293	
	nmol/l	14.5	11.6	17.4	Siemens Atellica IM
	ng/ml	4.18	3.34	5.02	
	ng/dl	418	334	502	
	nmol/l	14.7	11.8	17.6	Roche Cobas e801 Test II
	ng/ml	4.23	3.40	5.06	
	ng/dl	423	340	506	
	nmol/l	14.2	11.4	17.0	Abbott Alinity i
	ng/ml	4.09	3.28	4.90	
	ng/dl	409	328	490	
Theophylline	µmol/l	82.5	66.0	99.0	Siemens Centaur XP/XPT/Classic
	µg/ml	14.9	11.9	17.9	
	µmol/l	86.0	68.8	103	Roche Integra
	µg/ml	15.5	12.4	18.6	
	µmol/l	77.3	61.8	92.8	Abbott Architect (CMIA)
	µg/ml	13.9	11.1	16.7	
	µmol/l	80.9	64.7	97.1	Roche Cobas 6000/8000
	µg/ml	14.6	11.7	17.5	
	µmol/l	81.2	65.0	97.4	Beckman AU400/600/640/2700/5400
	µg/ml	14.6	11.7	17.5	
	µmol/l	82.2	65.8	98.6	Abbott Alinity Enzyme-Immu
	µg/ml	14.8	11.9	17.7	
	µmol/l	83.8	67.0	101	Gravimetric
	µg/ml	15.1	12.1	18.2	
Thyroglobulin	ng/ml	18.9	14.2	23.6	Siemens Immulite 1000
	ng/ml	18.7	14.0	23.4	Siemens Immulite 2000
	ng/ml	40.8	30.6	51.0	Roche Elecsys
	ng/ml	35.6	26.7	44.5	Beckman Dxl800
	ng/ml	41.3	31.0	51.6	Roche Cobas 4000/E411
	ng/ml	39.3	29.5	49.1	Roche Cobas e601/602
	ng/ml	36.8	27.6	46.0	Beckman Access
	ng/ml	44.2	33.2	55.3	Abbott Architect 2000i
	ng/ml	39.9	29.9	49.9	Tosoh Series
	ng/ml	39.6	29.7	49.5	Roche Cobas e601/602 Tg II
	ng/ml	41.1	30.8	51.4	Roche Elecsys TGII
	ng/ml	40.3	30.2	50.4	Roche Cobas 4000/E411 TGII
	ng/ml	35.8	26.9	44.8	Diasorin Liaison XL
	ng/ml	41.2	30.9	51.5	Roche Cobas e801 Tg II
	ng/ml	35.6	26.7	44.5	DiaSorin Liaison TG II Gen
	ng/ml	36.2	27.2	45.3	DiaSorin Liaison XL TG II Gen
	ng/ml	43.6	32.7	54.5	Abbott Alinity i
Thyroid Stimulating	µU/ml = mIU/l	2.18	1.74	2.62	Abbott Architect

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC 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	2.67	2.14	3.20	bioMerieux VIDAS TSH
	µU/ml = mIU/l	2.46	1.97	2.95	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.62	2.10	3.14	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	3.19	2.55	3.83	CIS IRMA
	µU/ml = mIU/l	2.62	2.10	3.14	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	2.72	2.18	3.26	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.58	2.06	3.10	Siemens Immulite 1000
	µU/ml = mIU/l	2.49	1.99	2.99	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	2.43	1.94	2.92	Beckman Dxl800
	µU/ml = mIU/l	2.84	2.27	3.41	Roche Elecsys
	µU/ml = mIU/l	3.00	2.40	3.60	Diasorin Liaison
	µU/ml = mIU/l	2.41	1.93	2.89	Beckman Access Fast TSH
	µU/ml = mIU/l	2.41	1.93	2.89	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.74	2.19	3.29	Tosoh Series
	µU/ml = mIU/l	2.81	2.25	3.37	Vitros ECi
	µU/ml = mIU/l	2.85	2.28	3.42	Roche Cobas 4000/E411
	µU/ml = mIU/l	2.86	2.29	3.43	Roche Cobas e601/602
	µU/ml = mIU/l	2.75	2.20	3.30	ELISA
	µU/ml = mIU/l	2.46	1.97	2.95	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.41	1.93	2.89	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	2.62	2.10	3.14	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	2.50	2.00	3.00	Siemens Centaur CP
	µU/ml = mIU/l	2.33	1.86	2.80	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	3.10	2.48	3.72	Mindray CL-2000i
	µU/ml = mIU/l	2.42	1.94	2.90	Beckman Dxl 600/800 Access (3rd IS)
	µU/ml = mIU/l	3.18	2.54	3.82	Diasorin Liaison XL
	µU/ml = mIU/l	2.54	2.03	3.05	Siemens Atellica IM
	µU/ml = mIU/l	2.19	1.75	2.63	Abbott Alinity i
	µU/ml = mIU/l	2.72	2.18	3.26	Roche Cobas 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	17.0	13.6	20.4	Abbott Architect
	IU/ml	0.017	0.014	0.020	
	mU/ml=IU/l	27.9	22.3	33.5	BioMerieux Vidas
	IU/ml	0.028	0.022	0.034	
	mU/ml=IU/l	18.1	14.5	21.7	Siemens Centaur XP/XPT/Classic
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	30.5	24.4	36.6	Siemens Dimension
	IU/ml	0.031	0.024	0.038	
	mU/ml=IU/l	37.3	29.8	44.8	Siemens Immulite 2000
	IU/ml	0.037	0.030	0.044	
	mU/ml=IU/l	37.6	30.1	45.1	Siemens Immulite 1000
	IU/ml	0.038	0.030	0.046	
	mU/ml=IU/l	18.9	15.1	22.7	Beckman Dxl800
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	14.7	11.8	17.6	Diasorin Liaison
	IU/ml	0.015	0.012	0.018	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC 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	19.4	15.5	23.3	Roche Cobas Core EIA
	IU/ml	0.019	0.016	0.022	
	mU/ml=IU/l	18.6	14.9	22.3	Beckman Access
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	29.5	23.6	35.4	Tosoh Series
	IU/ml	0.030	0.024	0.036	
	mU/ml=IU/l	31.8	25.4	38.2	Vitros Eci
	IU/ml	0.032	0.025	0.039	
	mU/ml=IU/l	14.7	11.8	17.6	Roche hCG STAT (Intact)
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	19.4	15.5	23.3	Roche hCG+Beta
	IU/ml	0.019	0.016	0.022	
	mU/ml=IU/l	18.4	14.7	22.1	Beckman Access Total BhCG (5th IS)
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	19.1	15.3	22.9	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	18.3	14.6	22.0	Siemens Centaur CP
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	16.3	13.0	19.6	Diasorin Liaison XL
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	19.6	15.7	23.5	Siemens Atellica IM
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	17.3	13.8	20.8	Abbott Alinity i
	IU/ml	0.017	0.014	0.020	
	mU/ml=IU/l	18.8	15.0	22.6	Roche hCG+Beta e801
	IU/ml	0.019	0.015	0.023	
Total T3	nmol/l	3.31	2.48	4.14	Abbott Architect
	ng/ml	2.15	1.61	2.69	
	ng/dl	215	161	269	
	nmol/l	3.87	2.90	4.84	BioMerieux Vidas
	ng/ml	2.52	1.89	3.15	
	ng/dl	252	189	315	
	nmol/l	4.19	3.14	5.24	Siemens Centaur XP/XPT/Classic
	ng/ml	2.73	2.04	3.42	
	ng/dl	273	204	342	
	nmol/l	3.47	2.60	4.34	Siemens Immulite 2000/2500
	ng/ml	2.26	1.69	2.83	
	ng/dl	226	169	283	
	nmol/l	3.43	2.57	4.29	Siemens Immulite 1000
	ng/ml	2.23	1.67	2.79	
	ng/dl	223	167	279	
	nmol/l	3.52	2.64	4.40	Beckman Dxl800
	ng/ml	2.29	1.72	2.86	
	ng/dl	229	172	286	
	nmol/l	4.03	3.02	5.04	Roche Elecsys
	ng/ml	2.62	1.97	3.27	
	ng/dl	262	197	327	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	3.55	2.66	4.44	Beckman Access
	ng/ml	2.31	1.73	2.89	
	ng/dl	231	173	289	
	nmol/l	3.70	2.78	4.63	Tosoh Series
	ng/ml	2.41	1.81	3.01	
	ng/dl	241	181	301	
	nmol/l	4.36	3.27	5.45	Vitros ECI
	ng/ml	2.84	2.13	3.55	
	ng/dl	284	213	355	
	nmol/l	3.01	2.26	3.76	CIS RIA Coated tube
	ng/ml	1.96	1.47	2.45	
	ng/dl	196	147	245	
	nmol/l	3.84	2.88	4.80	Roche Cobas 4000/E411
	ng/ml	2.50	1.87	3.13	
	ng/dl	250	187	313	
	nmol/l	3.85	2.89	4.81	Roche Cobas e601/602
	ng/ml	2.51	1.88	3.14	
	ng/dl	251	188	314	
	nmol/l	4.42	3.32	5.53	Siemens Centaur CP
	ng/ml	2.88	2.16	3.60	
	ng/dl	288	216	360	
	nmol/l	2.91	2.18	3.64	Diasorin Liaison XL
	ng/ml	1.89	1.42	2.36	
	ng/dl	189	142	236	
	nmol/l	3.33	2.50	4.16	Abbott Alinity i
	ng/ml	2.17	1.63	2.71	
	ng/dl	217	163	271	
	nmol/l	4.19	3.14	5.24	Siemens Atellica IM
	ng/ml	2.73	2.04	3.42	
	ng/dl	273	204	342	
	nmol/l	4.11	3.08	5.14	Roche Cobas e801
	ng/ml	2.68	2.01	3.35	
	ng/dl	268	201	335	
Total T4	nmol/l	115	86.3	144	Abbott Architect
	µg/dl	8.97	6.73	11.2	
	ng/ml	89.7	67.3	112	
	nmol/l	121	90.8	151	BioMerieux Vidas
	µg/dl	9.44	7.08	11.8	
	ng/ml	94.4	70.8	118	
	nmol/l	123	92.3	154	Siemens Centaur XP/XPT/Classic
	µg/dl	9.59	7.20	12.0	
	ng/ml	95.9	72.0	120	
	nmol/l	115	86.3	144	Siemens Immulite 2000/2500
	µg/dl	8.97	6.73	11.2	
	ng/ml	89.7	67.3	112	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	117	87.8	146	Siemens Immulite 1000
	µg/dl	9.13	6.85	11.4	
	ng/ml	91.3	68.5	114	
	nmol/l	120	90.0	150	Beckman Dxl800
	µg/dl	9.36	7.02	11.7	
	ng/ml	93.6	70.2	117	
	nmol/l	109	81.8	136	Roche Elecsys
	µg/dl	8.50	6.38	10.6	
	ng/ml	85.0	63.8	106	
	nmol/l	122	91.5	153	Beckman Access
	µg/dl	9.52	7.14	11.9	
	ng/ml	95.2	71.4	119	
	nmol/l	112	84.0	140	Tosoh Series
	µg/dl	8.74	6.55	10.9	
	ng/ml	87.4	65.5	109	
	nmol/l	123	92.3	154	Vitros ECI
	µg/dl	9.59	7.20	12.0	
	ng/ml	95.9	72.0	120	
	nmol/l	113	84.8	141	CIS RIA Coated tube
	µg/dl	8.81	6.61	11.0	
	ng/ml	88.1	66.1	110	
	nmol/l	110	82.5	138	Roche Cobas 4000/E411
	µg/dl	8.58	6.44	10.7	
	ng/ml	85.8	64.4	107	
	nmol/l	107	80.3	134	Roche Cobas e601/602
	µg/dl	8.35	6.26	10.4	
	ng/ml	83.5	62.6	104	
	nmol/l	91.4	68.6	114	Immunotech IRMA
	µg/dl	7.13	5.35	8.91	
	ng/ml	71.3	53.5	89.1	
	nmol/l	126	94.5	158	Siemens Centaur CP
	µg/dl	9.83	7.37	12.3	
	ng/ml	98.3	73.7	123	
	nmol/l	103	77.3	129	Diasorin Liaison XL
	µg/dl	8.03	6.03	10.0	
	ng/ml	80.3	60.3	100	
	nmol/l	112	84.0	140	Abbott Alinity i
	µg/dl	8.74	6.55	10.9	
	ng/ml	87.4	65.5	109	
	nmol/l	134	101	168	Siemens Atellica IM
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	108	81.0	135	Roche Cobas e801
	µg/dl	8.42	6.32	10.5	
	ng/ml	84.2	63.2	105	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid	µmol/l	516	413	619	Abbott Architect (CMIA)
	µg/ml	74.5	59.6	89.4	
	µmol/l	559	447	671	Siemens Centaur XP/XPT/Classic
	µg/ml	80.7	64.5	96.9	
	µmol/l	555	444	666	Siemens Dimension
	µg/ml	80.1	64.1	96.1	
	µmol/l	558	446	670	Siemens Immulite 2000/2500
	µg/ml	80.5	64.4	96.6	
	µmol/l	610	488	732	Siemens Immulite 1000
	µg/ml	88.0	70.4	106	
	µmol/l	525	420	630	Roche Integra
	µg/ml	75.8	60.6	91.0	
	µmol/l	545	436	654	Roche Cobas 6000/8000
	µg/ml	78.6	62.9	94.3	
	µmol/l	536	429	643	Beckman DxC
	µg/ml	77.3	61.9	92.7	
	µmol/l	574	459	689	Beckman AU400/600/640/2700/5400
	µg/ml	82.8	66.2	99.4	
	µmol/l	506	405	607	Abbott Architect (PETINA)
	µg/ml	73.0	58.4	87.6	
	µmol/l	587	470	704	EMIT
	µg/ml	84.7	67.8	102	
	µmol/l	545	436	654	Siemens Atellica CH
	µg/ml	78.6	62.9	94.3	
Vancomycin	µmol/l	506	405	607	Abbott Alinity (CMIA)
	µg/ml	73.0	58.4	87.6	
	µmol/l	516	413	619	Abbott Alinity (PETINA)
	µg/ml	74.5	59.6	89.4	
	µmol/l	638	510	766	Gravimetric
	µg/ml	92.1	73.6	111	
	µmol/l	7.49	5.99	8.99	Roche Integra
	µg/ml	11.1	8.90	13.3	
	µmol/l	6.32	5.06	7.58	Ortho Vitros Microslide Systems
	µg/ml	9.39	7.52	11.3	
	µmol/l	8.34	6.67	10.0	Abbott Architect (CMIA)
	µg/ml	12.4	9.91	14.9	
	µmol/l	7.04	5.63	8.45	Siemens Centaur XP/XPT/Classic
	µg/ml	10.5	8.36	12.6	
	µmol/l	7.95	6.36	9.54	Siemens Dimension
	µg/ml	11.8	9.45	14.2	
	µmol/l	7.47	5.98	8.96	Roche Cobas 6000/8000
	µg/ml	11.1	8.88	13.3	
	µmol/l	7.88	6.30	9.46	Thermo Scientific QMS Vancomycin
	µg/ml	11.7	9.36	14.0	
	µmol/l	7.44	5.95	8.93	Siemens Atellica CH
	µg/ml	11.1	8.84	13.4	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 2124EC Size 12 x 5ml / 4 x 5ml Expiry 2024-10-28

Range					
Analyte	unit	Target	low	high	methods
Vancomycin	µmol/l	7.40	5.92	8.88	Abbott Alinity (PETINA)
	µg/ml	11.0	8.80	13.2	
	µmol/l	7.10	5.68	8.52	Gravimetric
	µg/ml	10.5	8.44	12.7	
Vitamin B12	pmol/l	354	283	425	Abbott Architect
	pg/ml	480	383	577	
	pmol/l	403	322	484	Siemens Centaur XP/XPT/Classic
	pg/ml	546	436	656	
	pmol/l	413	330	496	Siemens Immulite 2000
	pg/ml	560	447	673	
	pmol/l	300	240	360	Beckman Dxl800
	pg/ml	407	325	489	
	pmol/l	412	330	494	Roche Elecsys
	pg/ml	558	447	669	
	pmol/l	314	251	377	Beckman Access
	pg/ml	425	340	510	
	pmol/l	505	404	606	Tosoh Series
	pg/ml	684	547	821	
	pmol/l	402	322	482	Vitros Eci
	pg/ml	545	436	654	
	pmol/l	353	282	424	Siemens Dimension
	pg/ml	478	382	574	
	pmol/l	434	347	521	Siemens Centaur CP
	pg/ml	588	470	706	
	pmol/l	382	306	458	Roche Cobas 4000/e411 Gen II
	pg/ml	518	415	621	
	pmol/l	414	331	497	Roche Cobas e601/602 Gen II
	pg/ml	561	449	673	
	pmol/l	311	249	373	Diasorin Liaison XL
	pg/ml	421	337	505	
	pmol/l	436	349	523	Siemens Atellica IM
	pg/ml	591	473	709	
	pmol/l	332	266	398	Abbott Alinity i
	pg/ml	450	360	540	
	pmol/l	419	335	503	Roche Cobas e801 Gen II
	pg/ml	568	454	682	

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

CAT. NO. IA3111
CAT. NO. IA3112
LOT NO. 2079EC

GTIN: 05055273207279
GTIN: 05055273207286
EXPIRY: 2024-10-28

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

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

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

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

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

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

PREPARATION

Immunoassay Premium Plus is supplied lyophilised.

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

MATERIALS PROVIDED

Immunoassay Premium Plus - Level 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.

EC	REP
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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. 2079EC 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	
	pmol/l	70.6	53.0	88.3	Diasorin Liaison XL
	pg/ml	321	241	401	
Aldosterone	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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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
	ng/ml = µg/l	215	172	258	Siemens Atellica IM
	ng/ml = µg/l	296	237	355	Roche Cobas e402/e801
Folate	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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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
	KIU/l = IU/ml	562	450	674	Roche Cobas e402/e801
	KIU/l = IU/ml	480	384	576	Abbott Alinity
Insulin	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. 2079EC 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. 2079EC 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. 2079EC 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	
	µmol/l	117	93.6	140	Roche Cobas C303/501/502/503/701
	µg/ml	27.1	21.7	32.5	
Phenytoin	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	
	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	
Primidone	µmol/l	32.7	26.2	39.2	Gravimetric
	µg/ml	7.14	5.72	8.56	

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

Cat. No. IA3111 / IA3112 Lot. No. 2079EC 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. 2079EC 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. 2079EC 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	
SHBG	mmol/l	2.88	2.30	3.46	Gravimetric
	mg/dl	39.8	31.8	47.8	
	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
T Uptake	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	
Testosterone	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. 2079EC 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. 2079EC 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. 2079EC 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. 2079EC 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	
Total T3	mU/ml=IU/l	304	243	365	Roche hCG+Beta e801
	IU/ml	0.304	0.243	0.365	
	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. 2079EC 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. 2079EC 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. 2079EC 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	
Vancomycin	µmol/l	1116	893	1339	Gravimetric
	µg/ml	161	129	193	
	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	
Vitamin B12	µmol/l	10.8	8.64	13.0	Gravimetric
	µg/ml	16.0	12.8	19.3	
	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. 2079EC 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	