

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

CAT. NO. IA3111 **GTIN:** 05055273207279
CAT. NO. IA3112 **GTIN:** 05055273207286
LOT NO. 1646EC
SIZE: 12 x 5 ml / 4 x 5 ml
EXPIRY: 2019-04-28

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

OPENED: Store refrigerated (+2°C to +8°C). Reconstituted serum is stable for 7 days at +2°C to +8°C if kept capped in original container and free from contamination, or 4 weeks frozen once at -20°C. C-Peptide is stable for 1 day at +2°C to +8°C. Thyroglobulin should be tested within 4 hours of reconstitution when stored at +2°C to +8°C, or within 2 weeks when stored at -20°C. ACTH should be assayed within 4 hours of reconstitution, when stored at +2°C to +8°C. 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. Aldosterone is present in control levels 2 and level 3 only. Parathyroid Hormone (PTH) is present in the control, but no claim is made for the expected value or stability of this analyte.

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

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone	nmol/l	29.0	21.8	36.3	Immunotech RIA
	ng/ml	9.60	7.22	12.0	
	nmol/l	42.3	31.7	52.9	DRG ELISA
	ng/ml	14.0	10.5	17.5	
	nmol/l	38.2	28.7	47.8	DIAsource RIA
	ng/ml	12.6	9.50	15.7	
	nmol/l	48.3	36.2	60.4	IBL ELISA
	ng/ml	16.0	12.0	20.0	
	nmol/l	38.3	28.7	47.9	MP Biomedicals RIA
	ng/ml	12.7	9.50	15.9	
25-OH Vitamin D	nmol/l	83.1	62.3	104	Diasorin Liaison
	nmol/l	117	87.8	146	Siemens Centaur XP/XPT/Classic
	nmol/l	61.8	46.4	77.3	Roche Vitamin D Total
	nmol/l	72.8	54.6	91.0	Abbott Architect
	nmol/l	80.5	60.4	101	IDS iSYS
	nmol/l	92.2	69.2	115	Vitros ECi
	nmol/l	78.3	58.7	97.9	Tosoh AIA360
	nmol/l	77.5	58.1	96.9	BioMerieux Vidas
	nmol/l	67.2	50.4	84.0	Beckman Dxl 600/800
	nmol/l	80.7	60.5	101	Fujirebio Lumipulse G
	nmol/l	66.1	49.6	82.6	Beckman Access 25 OH Vitamin D Total
ACTH	pmol/l	22.4	15.7	29.1	Siemens Immulite 2000/2500
	pg/ml	102	71.4	133	
	pmol/l	25.9	19.4	32.4	Roche Cobas 6000/8000
	pg/ml	118	88.2	148	
	pmol/l	27.7	20.8	34.6	Siemens Immulite 1000
	pg/ml	126	94.5	158	
	pmol/l	21.0	15.8	26.3	Roche Modular E170
	pg/ml	95.4	71.8	119	
Aldosterone	pmol/l	365	274	456	DRG ELISA
	pg/ml	132	98.9	165	
	pmol/l	487	365	609	Immunotech RIA
	pg/ml	176	132	220	
	pmol/l	187	140	234	Diasorin Liaison
	pg/ml	67.5	50.5	84.5	
Alphafoetoprotein	KIU/l = IU/ml	203	162	244	Abbott Architect
	ng/ml	246	196	296	
	KIU/l = IU/ml	205	164	246	BioMerieux Vidas
	ng/ml	248	198	298	
	KIU/l = IU/ml	261	206	316	Siemens Centaur XP/XPT/Classic
	ng/ml	316	250	382	
	KIU/l = IU/ml	196	157	235	Siemens Immulite 2000/2500
	ng/ml	237	190	284	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Alphafoetoprotein	KIU/l = IU/ml	194	155	233	Siemens Immulite 1000
	ng/ml	235	188	282	
	KIU/l = IU/ml	207	166	248	Beckman Dxl800
	ng/ml	250	201	299	
	KIU/l = IU/ml	218	174	262	Roche Elecsys
	ng/ml	264	211	317	
	KIU/l = IU/ml	240	192	288	Diasorin Liaison
	ng/ml	290	232	348	
	KIU/l = IU/ml	224	179	269	Roche Modular E170
	ng/ml	271	217	325	
	KIU/l = IU/ml	219	175	263	Beckman Access
	ng/ml	265	212	318	
	KIU/l = IU/ml	193	154	232	Tosoh AIA360
	ng/ml	234	186	282	
	KIU/l = IU/ml	268	214	322	Vitros ECI
	ng/ml	324	259	389	
	KIU/l = IU/ml	225	180	270	Roche Cobas 6000/8000
	ng/ml	272	218	326	
	KIU/l = IU/ml	349	279	419	CIS IRMA
	ng/ml	422	338	506	
Amikacin	KIU/l = IU/ml	229	183	275	Roche Cobas E411
	ng/ml	277	221	333	
	KIU/l = IU/ml	230	184	276	Siemens Dimension
	ng/ml	278	223	333	
Androstenedione	KIU/l = IU/ml	266	210	322	Siemens Centaur CP
	ng/ml	322	254	390	
Beta-2-microglobulin	µmol/l	25.4	20.3	30.5	EMIT
	µg/ml	14.9	11.9	17.9	
	µmol/l	23.0	18.4	27.6	Roche Cobas 6000/8000
	µg/ml	13.5	10.8	16.2	
	µmol/l	24.1	19.3	28.9	Gravimetric
	µg/ml	14.1	11.3	16.9	
	nmol/l	46.2	32.3	60.1	Siemens Immulite 2000
	ng/ml	13.3	9.31	17.3	
	µg/ml = mg/l	7.43	5.94	8.92	Abbott AXSYM
	µg/ml = mg/l	8.24	6.59	9.89	Abbott Architect
	µg/ml = mg/l	9.17	7.34	11.0	Beckman Immage
	µg/ml = mg/l	8.24	6.59	9.89	BioMerieux Vidas
Beta-2-microglobulin	µg/ml = mg/l	8.38	6.70	10.1	Behring Nephelometer
	µg/ml = mg/l	7.54	6.03	9.05	Roche Tinaquant
	µg/ml = mg/l	6.67	5.34	8.00	Siemens Immulite 2000/2500
	µg/ml = mg/l	6.46	5.17	7.75	Diasorin Liaison
	µg/ml = mg/l	7.78	6.22	9.34	Tosoh AIA360
	µg/ml = mg/l	7.75	6.20	9.30	Roche Cobas E411
	µg/ml = mg/l	7.98	6.38	9.58	Roche Cobas 6000/8000

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Beta-2-microglobulin	µg/ml = mg/l	7.68	6.14	9.22	Roche Modular E170
	µg/ml = mg/l	8.78	7.02	10.5	Siemens Dimension
	µg/ml = mg/l	8.63	6.90	10.4	Siemens ADVIA 1200/1650/1800/2400
C-Peptide	nmol/l	1.770	1.330	2.210	Siemens Immulite 2000/2500
	ng/ml	5.34	4.02	6.66	
	nmol/l	1.990	1.490	2.490	Roche Elecsys
	ng/ml	6.01	4.50	7.52	
	nmol/l	2.040	1.530	2.550	Roche Cobas 6000/8000
	ng/ml	6.16	4.62	7.70	
	nmol/l	1.840	1.380	2.300	Siemens Immulite 1000
	ng/ml	5.55	4.17	6.93	
	nmol/l	2.480	1.860	3.100	Diasorin Liaison
	ng/ml	7.49	5.62	9.36	
	nmol/l	2.040	1.530	2.550	Roche Cobas E411
	ng/ml	6.16	4.62	7.70	
	nmol/l	1.990	1.490	2.490	Roche Modular E170
	ng/ml	6.01	4.50	7.52	
	nmol/l	1.560	1.170	1.950	Abbott Architect
	ng/ml	4.71	3.53	5.89	
	nmol/l	1.640	1.230	2.050	Siemens Centaur XP/XPT/Classic
	ng/ml	4.95	3.71	6.19	
	nmol/l	1.160	0.870	1.450	Tosoh AIA360
	ng/ml	3.50	2.63	4.37	
CA 15-3	U/ml	92.9	74.3	111	Abbott Architect
	U/ml	70.6	56.5	84.7	BioMerieux Vidas
	U/ml	84.1	58.0	110	Siemens Centaur XP/XPT/Classic
	U/ml	105	84.0	126	Siemens Immulite 2000/2500
	U/ml	115	92.0	138	Siemens Immulite 1000
	U/ml	46.2	37.0	55.4	Beckman Dxl800
	U/ml	81.2	65.0	97.4	Roche Elecsys
	U/ml	78.4	62.7	94.1	Diasorin Liaison
	U/ml	79.9	63.9	95.9	Roche Modular E170
	U/ml	47.1	37.7	56.5	Beckman Access
	U/ml	82.0	65.6	98.4	Tosoh AIA360
	U/ml	78.1	62.5	93.7	Vitros ECI
	U/ml	81.6	65.3	97.9	Roche Cobas 6000/8000
	U/ml	81.6	65.3	97.9	Roche Cobas E411
	U/ml	89.4	61.7	117	Siemens Centaur CP
CA 19-9	U/ml	1813	1450	2176	Abbott Architect
	U/ml	423	338	508	BioMerieux Vidas
	U/ml	564	389	739	Siemens Centaur XP/XPT/Classic
	U/ml	223	178	268	Siemens Immulite 2000/2500
	U/ml	206	165	247	Beckman Dxl800
	U/ml	143	114	172	Roche Elecsys
	U/ml	330	264	396	Diasorin Liaison
	U/ml	140	112	168	Roche Modular E170

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Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
CA 19-9	U/ml	227	182	272	Beckman Access
	U/ml	101	80.8	121	Tosoh AIA360
	U/ml	378	302	454	Vitros ECI
	U/ml	1803	1442	2164	Abbott Architect XR/XR2 kit
	U/ml	139	111	167	Roche Cobas 6000/8000
	U/ml	143	114	172	Roche Cobas E411
	U/ml	543	375	711	Siemens Centaur CP
CA125	U/ml	280	224	336	Abbott Architect
	U/ml	229	183	275	BioMerieux Vidas
	U/ml	222	153	291	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	229	158	300	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	217	174	260	Siemens Immulite 2000/2500
	U/ml	252	202	302	Siemens Immulite 1000
	U/ml	192	154	230	Beckman Dxl800
	U/ml	213	170	256	Roche Elecsys
	U/ml	281	225	337	Diasorin Liaison
	U/ml	215	172	258	Roche Modular E170
	U/ml	195	156	234	Beckman Access
	U/ml	349	279	419	Tosoh AIA360
	U/ml	224	179	269	Vitros ECI
	U/ml	216	173	259	Roche Cobas E411
	U/ml	214	171	257	Roche Cobas 6000/8000
	U/ml	231	159	303	Siemens Centaur CP CA125 II kit
	U/ml	231	159	303	Siemens Centaur CP OV kit
Carbamazepine	µmol/l	67.5	54.0	81.0	Abbott Architect
	µg/ml	16.0	12.8	19.2	
	µmol/l	77.2	61.8	92.6	Behring Emit
	µg/ml	18.3	14.6	22.0	
	µmol/l	73.6	45.6	102	Siemens Centaur XP/XPT/Classic
	µg/ml	17.4	10.8	24.0	
	µmol/l	69.3	55.4	83.2	Siemens Dimension
	µg/ml	16.4	13.1	19.7	
	µmol/l	60.8	48.6	73.0	Siemens Immulite 2000/2500
	µg/ml	14.4	11.5	17.3	
	µmol/l	63.8	51.0	76.6	Siemens Immulite 1000
	µg/ml	15.1	12.1	18.1	
	µmol/l	66.1	52.9	79.3	HPLC
	µg/ml	15.6	12.5	18.7	
	µmol/l	74.7	59.8	89.6	Roche Integra
	µg/ml	17.7	14.1	21.3	
	µmol/l	67.6	54.1	81.1	Vitros
	µg/ml	16.0	12.8	19.2	
	µmol/l	66.5	53.2	79.8	Roche Cobas E411
	µg/ml	15.7	12.6	18.8	
	µmol/l	69.0	55.2	82.8	Roche Cobas 6000/8000
	µg/ml	16.3	13.0	19.6	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	68.8	55.0	82.6	Beckman DxC
	µg/ml	16.3	13.0	19.6	
	µmol/l	71.7	57.4	86.0	Beckman AU400/600/640/2700/5400
	µg/ml	16.9	13.6	20.2	
	µmol/l	65.8	52.6	79.0	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	15.6	12.4	18.8	
Carcinoembryonic Antigen (CEA)	µmol/l	72.2	57.8	86.6	Gravimetric
	µg/ml	17.1	13.7	20.5	
	ng/ml = µg/l	59.1	47.3	70.9	Abbott Architect
	ng/ml = µg/l	51.4	41.1	61.7	BioMerieux Vidas
	ng/ml = µg/l	58.0	40.0	76.0	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	41.0	32.8	49.2	CIS RIA Coated tube
	ng/ml = µg/l	74.7	59.8	89.6	Siemens Immulite 2000/2500
	ng/ml = µg/l	74.8	59.8	89.8	Siemens Immulite 1000
	ng/ml = µg/l	47.8	38.2	57.4	Beckman Dxl800
	ng/ml = µg/l	47.5	38.0	57.0	Roche Elecsys
	ng/ml = µg/l	47.2	37.8	56.6	Diasorin Liaison
	ng/ml = µg/l	45.9	36.7	55.1	Roche Modular E170
	ng/ml = µg/l	49.4	39.5	59.3	Beckman Access
	ng/ml = µg/l	81.8	65.4	98.2	Tosoh AIA360
	ng/ml = µg/l	56.4	45.1	67.7	Vitros Eci
	ng/ml = µg/l	45.9	36.7	55.1	Roche Cobas 6000/8000
	ng/ml = µg/l	47.5	38.0	57.0	Roche Cobas E411
	ng/ml = µg/l	37.1	29.7	44.5	Boditech Med Inc i-CHROMA
	ng/ml = µg/l	58.1	40.1	76.1	Siemens Centaur CP
Cortisol	nmol/l	769	577	961	Abbott Architect
	µg/dl	27.7	20.8	34.6	
	nmol/l	844	633	1055	BioMerieux Vidas
	µg/dl	30.4	22.8	38.0	
	nmol/l	1030	711	1349	Siemens Centaur XP/XPT/Classic
	µg/dl	37.1	25.6	48.6	
	nmol/l	751	563	939	CIS RIA
	µg/dl	27.0	20.3	33.7	
	nmol/l	889	667	1111	Siemens Immulite 2000/2500
	µg/dl	32.0	24.0	40.0	
	nmol/l	930	698	1163	Siemens Immulite 1000
	µg/dl	33.5	25.1	41.9	
	nmol/l	862	647	1078	Beckman Dxl800
	µg/dl	31.0	23.3	38.7	
	nmol/l	909	682	1136	Roche Elecsys
	µg/dl	32.7	24.6	40.8	
	nmol/l	935	701	1169	Diasorin Liaison
	µg/dl	33.7	25.2	42.2	
	nmol/l	887	665	1109	Roche Modular E170
	µg/dl	31.9	23.9	39.9	
	nmol/l	957	718	1196	Beckman Access
	µg/dl	34.5	25.8	43.2	

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Range					
Analyte	unit	Target	low	high	methods
Cortisol	nmol/l	965	724	1206	Tosoh AIA360
	µg/dl	34.7	26.1	43.3	
	nmol/l	854	641	1068	Vitros ECI
	µg/dl	30.7	23.1	38.3	
	nmol/l	893	670	1116	Roche Cobas 6000/8000
	µg/dl	32.1	24.1	40.1	
	nmol/l	932	699	1165	Roche Cobas E411
	µg/dl	33.6	25.2	42.0	
	nmol/l	1117	771	1463	Siemens Centaur CP
	µg/dl	40.2	27.7	52.7	
	nmol/l	795	596	994	Roche Modular E170 Gen II
	µg/dl	28.6	21.5	35.7	
	nmol/l	850	638	1063	Roche Cobas 4000/e411 Gen II
	µg/dl	30.6	23.0	38.2	
DHEA-S	nmol/l	828	621	1035	Roche Cobas 6000/8000 Gen II
	µg/dl	29.8	22.4	37.2	
	nmol/l	913	685	1141	Roche Elecsys Gen II
	µg/dl	32.9	24.7	41.1	
	µmol/l	23.9	19.1	28.7	Abbott Architect
	µmol/l	20.5	16.4	24.6	Siemens Immulite 2000/2500
	µmol/l	21.2	17.0	25.4	Siemens Immulite 1000
	µmol/l	19.7	15.8	23.6	Beckman Dxl800
	µmol/l	26.4	21.1	31.7	Roche Elecsys
	µmol/l	27.0	21.6	32.4	Roche Modular E170
	µmol/l	20.8	16.6	25.0	Beckman Access
	µmol/l	18.5	14.8	22.2	Diasorin Liaison
	µmol/l	18.9	11.3	26.5	Siemens Centaur XP/XPT/Classic
	µmol/l	29.1	23.3	34.9	Roche Cobas E411
Digoxin	µmol/l	27.0	21.6	32.4	Roche Cobas 6000/8000
	nmol/l	3.70	2.96	4.44	Abbott AXSYM
	ng/ml	2.89	2.31	3.47	
	nmol/l	3.60	2.88	4.32	Abbott Architect
	ng/ml	2.81	2.25	3.37	
	nmol/l	3.96	3.17	4.75	BioMerieux Vidas
	ng/ml	3.09	2.48	3.70	
	nmol/l	4.45	3.47	5.43	Siemens Centaur XP/XPT/Classic
	ng/ml	3.48	2.71	4.25	
	nmol/l	4.16	3.33	4.99	Siemens Dimension
	ng/ml	3.25	2.60	3.90	
	nmol/l	4.32	3.46	5.18	Siemens Immulite 2000/2500
	ng/ml	3.37	2.70	4.04	
	nmol/l	5.13	4.10	6.16	Siemens Immulite 1000
	ng/ml	4.01	3.20	4.82	
	nmol/l	4.04	3.23	4.85	Beckman Dxl800
	ng/ml	3.16	2.52	3.80	

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Range					
Analyte	unit	Target	low	high	methods
Digoxin	nmol/l	4.90	3.92	5.88	Roche Elecsys
	ng/ml	3.83	3.06	4.60	
	nmol/l	3.85	3.08	4.62	Roche Integra
	ng/ml	3.01	2.41	3.61	
	nmol/l	4.67	3.74	5.60	Roche Modular E170
	ng/ml	3.65	2.92	4.38	
	nmol/l	4.06	3.25	4.87	Vitros
	ng/ml	3.17	2.54	3.80	
	nmol/l	4.71	3.77	5.65	Roche Cobas E411
	ng/ml	3.68	2.94	4.42	
	nmol/l	4.87	3.90	5.84	Roche Cobas 6000/8000
	ng/ml	3.80	3.05	4.55	
	nmol/l	3.66	2.93	4.39	Beckman DxC
	ng/ml	2.86	2.29	3.43	
	nmol/l	4.26	3.41	5.11	Beckman AU400/600/640/2700/5400
	ng/ml	3.33	2.66	4.00	
	nmol/l	4.03	3.22	4.84	Siemens ADVIA 1200/1650/1800/2400
	ng/ml	3.15	2.51	3.79	
	nmol/l	4.37	3.50	5.24	Microgenics DRI assay
	ng/ml	3.41	2.73	4.09	
Ethosuximide	nmol/l	4.64	3.71	5.57	Roche Cobas 4000/E411
	ng/ml	3.62	2.90	4.34	
	nmol/l	5.12	4.10	6.14	Gravimetric
	ng/ml	4.00	3.20	4.80	
Ethosuximide	μmol/l	493	395	592	Gravimetric
	μg/ml	70.0	56.0	83.9	
Ferritin	ng/ml = μg/l	403	322	484	Abbott Architect
	ng/ml = μg/l	272	218	326	BioMerieux Vidas
	ng/ml = μg/l	263	210	316	Roche Tinaquant
	ng/ml = μg/l	323	252	394	Siemens Centaur XP/XPT/Classic
	ng/ml = μg/l	297	238	356	Siemens Dimension
	ng/ml = μg/l	302	242	362	Siemens Immulite 2000/2500
	ng/ml = μg/l	265	212	318	Siemens Immulite 1000
	ng/ml = μg/l	229	183	275	Beckman Dxl800
	ng/ml = μg/l	315	252	378	Roche Elecsys
	ng/ml = μg/l	342	274	410	Diasorin Liaison
	ng/ml = μg/l	320	256	384	Roche Modular E170
	ng/ml = μg/l	233	186	280	Beckman Access
	ng/ml = μg/l	231	185	277	Tosoh AIA360
	ng/ml = μg/l	212	170	254	Vitros ECI
	ng/ml = μg/l	282	226	338	Immunotech IRMA
	ng/ml = μg/l	312	250	374	Roche Cobas E411
	ng/ml = μg/l	252	202	302	Siemens/Dade Behring Nephelometer
	ng/ml = μg/l	275	220	330	Beckman AU400/600/640/2700/5400
	ng/ml = μg/l	311	243	379	Siemens Centaur CP
Folate	nmol/l	20.6	15.7	25.5	Abbott Architect
	ng/ml	9.08	6.92	11.2	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Folate	nmol/l	45.1	27.1	63.1	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	19.9	11.9	27.9	
	nmol/l	19.1	14.5	23.7	Siemens Immulite 2000
	ng/ml	8.42	6.39	10.5	
	nmol/l	23.1	17.6	28.6	Beckman Dxl800
	ng/ml	10.2	7.76	12.6	
	nmol/l	26.1	19.8	32.4	Roche Elecsys
	ng/ml	11.5	8.73	14.3	
	nmol/l	27.5	20.9	34.1	Roche Modular E170
	ng/ml	12.1	9.22	15.0	
	nmol/l	23.9	18.2	29.6	Beckman Access
	ng/ml	10.5	8.03	13.0	
	nmol/l	34.3	26.1	42.5	Tosoh AIA360
	ng/ml	15.1	11.5	18.7	
	nmol/l	14.9	11.3	18.5	Vitros ECI
	ng/ml	6.57	4.98	8.16	
	nmol/l	16.9	12.8	21.0	MP Biomedicals RIA
	ng/ml	7.45	5.64	9.26	
	nmol/l	25.9	19.7	32.1	Roche Cobas E411
	ng/ml	11.4	8.69	14.1	
	nmol/l	26.1	19.8	32.4	Roche Cobas 6000/8000
	ng/ml	11.5	8.73	14.3	
	nmol/l	13.9	10.6	17.2	Siemens Dimension
	ng/ml	6.13	4.67	7.59	
Free T3	pmol/l	24.2	18.2	30.3	Abbott Architect
	ng/dl	1.57	1.18	1.96	
	pg/ml	15.8	11.8	19.8	
	pmol/l	24.6	18.5	30.8	BioMerieux Vidas
	ng/dl	1.60	1.20	2.00	
	pg/ml	16.0	12.0	20.0	
	pmol/l	24.7	14.8	34.6	Siemens Centaur XP/XPT/Classic
	ng/dl	1.61	0.966	2.25	
	pg/ml	16.1	9.66	22.5	
	pmol/l	17.7	13.3	22.1	Siemens Immulite 2000/2500
	ng/dl	1.15	0.865	1.44	
	pg/ml	11.5	8.66	14.3	
	pmol/l	17.2	12.9	21.5	Siemens Immulite 1000
	ng/dl	1.12	0.839	1.40	
	pg/ml	11.2	8.40	14.0	
	pmol/l	20.4	15.3	25.5	Beckman Dxl800
	ng/dl	1.33	0.995	1.67	
	pg/ml	13.3	9.96	16.6	
	pmol/l	30.1	22.6	37.6	Roche Elecsys
	ng/dl	1.96	1.47	2.45	
	pg/ml	19.6	14.7	24.5	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	42.8	32.1	53.5	Diasorin Liaison
	ng/dl	2.78	2.09	3.47	
	pg/ml	27.9	20.9	34.9	
	pmol/l	30.3	22.7	37.9	Roche Modular E170
	ng/dl	1.97	1.48	2.46	
	pg/ml	19.7	14.8	24.6	
	pmol/l	21.4	16.1	26.8	Beckman Access
	ng/dl	1.39	1.05	1.73	
	pg/ml	13.9	10.5	17.3	
	pmol/l	39.0	29.3	48.8	Tosoh AIA360
	ng/dl	2.54	1.90	3.18	
	pg/ml	25.4	19.1	31.7	
	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	30.1	22.6	37.6	Roche Cobas E411
	ng/dl	1.96	1.47	2.45	
	pg/ml	19.6	14.7	24.5	
	pmol/l	30.3	22.7	37.9	Roche Cobas 6000/8000
	ng/dl	1.97	1.48	2.46	
	pg/ml	19.7	14.8	24.6	
	pmol/l	33.8	25.4	42.3	Siemens Dimension Vista LOCI
	ng/dl	2.20	1.65	2.75	
	pg/ml	22.0	16.5	27.5	
	pmol/l	24.0	14.4	33.6	Siemens Centaur CP
	ng/dl	1.56	0.936	2.18	
	pg/ml	15.6	9.36	21.8	
Free T4	pmol/l	51.0	38.3	63.8	Abbott Architect
	ng/dl	3.98	2.99	4.97	
	pg/ml	39.8	29.9	49.7	
	pmol/l	51.8	38.9	64.7	Siemens Centaur XP/XPT/Classic
	ng/dl	4.04	3.03	5.05	
	pg/ml	40.4	30.3	50.5	
	pmol/l	60.5	45.4	75.6	CIS RIA Coated tube
	ng/dl	4.72	3.54	5.90	
	pg/ml	47.2	35.4	59.0	
	pmol/l	73.2	54.9	91.5	Siemens Immulite 2000/2500
	ng/dl	5.71	4.28	7.14	
	pg/ml	57.1	42.8	71.4	
	pmol/l	74.1	55.6	92.6	Siemens Immulite 1000
	ng/dl	5.78	4.34	7.22	
	pg/ml	57.8	43.4	72.2	
	pmol/l	59.9	44.9	74.9	Beckman Dxl800
	ng/dl	4.67	3.50	5.84	
	pg/ml	46.7	35.0	58.4	
	pmol/l	79.2	59.4	99.0	Roche Elecsys
	ng/dl	6.18	4.63	7.73	
	pg/ml	61.8	46.3	77.3	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	104	78.0	130	Diasorin Liaison
	ng/dl	8.11	6.08	10.1	
	pg/ml	81.1	60.8	101	
	pmol/l	77.9	58.4	97.4	Roche Modular E170
	ng/dl	6.08	4.56	7.60	
	pg/ml	60.8	45.6	76.0	
	pmol/l	55.3	41.5	69.1	Beckman Access
	ng/dl	4.31	3.24	5.38	
	pg/ml	43.1	32.4	53.8	
	pmol/l	73.9	55.4	92.4	Tosoh AIA360
	ng/dl	5.76	4.32	7.20	
	pg/ml	57.6	43.2	72.0	
	pmol/l	79.3	59.5	99.0	Roche Cobas 6000/8000
	ng/dl	6.19	4.64	7.74	
	pg/ml	61.9	46.4	77.4	
	pmol/l	55.8	41.9	69.8	Immunotech IRMA
	ng/dl	4.35	3.27	5.43	
	pg/ml	43.5	32.7	54.3	
	pmol/l	79.9	59.9	100	Roche Cobas E411
	ng/dl	6.23	4.67	7.79	
	pg/ml	62.3	46.7	77.9	
	pmol/l	73.2	54.9	91.5	Brahms RIA
	ng/dl	5.71	4.28	7.14	
	pg/ml	57.1	42.8	71.4	
FSH	pmol/l	45.8	34.4	57.3	Monobind Inc. ELISA / CLIA
	ng/dl	3.57	2.68	4.46	
	pg/ml	35.7	26.8	44.6	
	pmol/l	89.7	67.3	112	Siemens Dimension Vista LOCI
	ng/dl	7.00	5.25	8.75	
	pg/ml	70.0	52.5	87.5	
	pmol/l	79.8	59.9	100	Biomerieux Vidas FT4N Kit
	ng/dl	6.22	4.67	7.77	
	pg/ml	62.2	46.7	77.7	
	pmol/l	56.5	42.4	70.6	Siemens Centaur CP
	ng/dl	4.41	3.31	5.51	
	pg/ml	44.1	33.1	55.1	
	mU/ml	55.8	44.6	67.0	Abbott Architect
	mU/ml	79.7	63.8	95.6	BioMerieux Vidas
	mU/ml	85.2	66.5	104	Siemens Centaur XP/XPT/Classic
	mU/ml	64.2	51.4	77.0	Siemens Immulite 2000/2500
	mU/ml	60.5	48.4	72.6	Siemens Immulite 1000
	mU/ml	66.8	53.4	80.2	Beckman Dxl800
	mU/ml	63.3	50.6	76.0	Roche/BM Elecsys
	mU/ml	80.1	64.1	96.1	Diasorin Liaison

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
FSH	mU/ml	60.5	48.4	72.6	Roche Modular E170
	mU/ml	66.9	53.5	80.3	Beckman Access
	mU/ml	62.9	50.3	75.5	Tosoh AIA360
	mU/ml	50.4	40.3	60.5	Vitros ECI
	mU/ml	63.6	50.9	76.3	Roche Cobas E411
	mU/ml	60.8	48.6	73.0	Roche Cobas 6000/8000
	mU/ml	56.8	45.4	68.2	Immunotech IRMA
	mU/ml	74.3	58.0	90.6	Siemens Centaur CP
Gentamicin	µmol/l	10.5	8.40	12.6	Roche Integra
	µg/ml	5.02	4.02	6.02	
	µmol/l	12.2	9.27	15.1	Siemens Centaur XP/XPT/Classic
	µg/ml	5.83	4.43	7.23	
	µmol/l	10.7	8.56	12.8	Siemens Dimension Vista
	µg/ml	5.11	4.09	6.13	
	µmol/l	12.9	10.3	15.5	Beckman DxC
	µg/ml	6.17	4.92	7.42	
Growth Hormone (GH)	µmol/l	11.7	9.37	14.1	Gravimetric
	µg/ml	5.60	4.48	6.74	
	µU/ml	74.1	59.3	88.9	Siemens Immulite 2000/2500
	ng/ml	24.7	19.7	29.7	
	µU/ml	80.5	64.4	96.6	Siemens Immulite 1000
	ng/ml	26.8	21.4	32.2	
	µU/ml	63.8	51.0	76.6	Beckman Dxl800
	ng/ml	21.2	17.0	25.4	
	µU/ml	64.8	51.8	77.8	Roche Modular E170
	ng/ml	21.6	17.2	26.0	
	µU/ml	66.5	53.2	79.8	Beckman Access
	ng/ml	22.1	17.7	26.5	
	µU/ml	75.9	60.7	91.1	Tosoh AIA360
	ng/ml	25.3	20.2	30.4	
	µU/ml	71.9	57.5	86.3	Diasorin Liaison
	ng/ml	23.9	19.1	28.7	
Immunoglobulin E	µU/ml	65.0	52.0	78.0	Roche Cobas E411
	ng/ml	21.6	17.3	25.9	
	µU/ml	64.8	51.8	77.8	Roche Cobas 6000/8000
	ng/ml	21.6	17.2	26.0	
	µU/ml	74.2	59.4	89.0	IDS iSYS
	ng/ml	24.7	19.8	29.6	
	KIU/l = IU/ml	424	339	509	Abbott Architect
	KIU/l = IU/ml	370	296	444	Beckman Immage
Immunoglobulin E	KIU/l = IU/ml	396	317	475	BioMerieux Vidas
	KIU/l = IU/ml	398	239	557	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	442	354	530	Siemens Immulite 2000/2500
	KIU/l = IU/ml	443	354	532	Siemens Immulite 1000
	KIU/l = IU/ml	401	321	481	Beckman Dxl800
	KIU/l = IU/ml	436	349	523	Roche Elecsys

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Immunoglobulin E	KIU/l = IU/ml	396	317	475	Pharmacia Unicap
	KIU/l = IU/ml	451	361	541	Roche Modular E170
	KIU/l = IU/ml	426	341	511	Beckman Access
	KIU/l = IU/ml	413	330	496	Tosoh AIA360
	KIU/l = IU/ml	449	359	539	Roche Cobas E411
	KIU/l = IU/ml	450	360	540	Roche Cobas 6000/8000
	KIU/l = IU/ml	412	247	577	Siemens Centaur CP
Insulin	mU/l	23.6	17.7	29.5	Siemens Centaur XP/XPT/Classic
	pmol/l	164	123	205	
	mU/l	9.82	7.37	12.3	Siemens Immulite 1000
	pmol/l	68.2	51.2	85.2	
	mU/l	26.5	19.9	33.1	Roche Modular E170
	pmol/l	184	138	230	
	mU/l	11.8	8.85	14.8	Siemens Immulite 2000
	pmol/l	82.0	61.5	103	
	mU/l	25.3	19.0	31.6	Roche Elecsys
	pmol/l	176	132	220	
	mU/l	21.6	16.2	27.0	Beckman Access
	pmol/l	150	113	187	
	mU/l	19.6	14.7	24.5	Abbott Architect
	pmol/l	136	102	170	
	mU/l	39.1	29.3	48.9	Tosoh AIA360
	pmol/l	272	203	341	
	mU/l	25.9	19.4	32.4	Roche Cobas E411
	pmol/l	180	135	225	
	mU/l	20.8	15.6	26.0	Beckman Dxl 600/800
	pmol/l	144	108	180	
	mU/l	28.3	21.2	35.4	Diasorin Liaison
	pmol/l	197	147	247	
	mU/l	26.4	19.8	33.0	Roche Cobas 6000/8000
	pmol/l	183	138	228	
	mU/l	25.0	18.8	31.2	Siemens Centaur CP
	pmol/l	174	131	217	
Luteinising Hormone (LH)	mU/ml	53.7	43.0	64.4	Abbott Architect
	mU/ml	60.9	48.7	73.1	BioMerieux Vidas
	mU/ml	66.9	51.5	82.3	Siemens Centaur XP/XPT/Classic
	mU/ml	77.2	61.8	92.6	Siemens Immulite 2000
	mU/ml	80.9	64.7	97.1	Siemens Immulite 1000
	mU/ml	44.6	35.7	53.5	Beckman Dxl800
	mU/ml	63.7	51.0	76.4	Roche Elecsys
	mU/ml	81.9	65.5	98.3	Diasorin Liaison
	mU/ml	63.9	51.1	76.7	Roche Modular E170
	mU/ml	46.0	36.8	55.2	Beckman Access
	mU/ml	59.5	47.6	71.4	Tosoh AIA360
	mU/ml	70.7	56.6	84.8	Vitros Eci
	mU/ml	63.7	51.0	76.4	Roche Cobas E411

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Luteinising Hormone (LH)	mU/ml	63.7	51.0	76.4	Roche Cobas 6000/8000
	mU/ml	64.6	49.7	79.5	Siemens Centaur CP
Oestradiol	pmol/l	1000	800	1200	Abbott Architect
	pg/ml	272	218	326	
	pmol/l	2330	1864	2796	BioMerieux Vidas
	pg/ml	634	507	761	
	pmol/l	2007	1244	2770	Siemens Centaur XP/XPT/Classic
	pg/ml	546	339	753	
	pmol/l	1888	1510	2266	Siemens Immulite 2000/2500
	pg/ml	514	411	617	
	pmol/l	2142	1714	2570	Siemens Immulite 1000
	pg/ml	583	466	700	
	pmol/l	1735	1388	2082	Beckman Dxl800
	pg/ml	472	378	566	
	pmol/l	1198	958	1438	Roche Elecsys (Estradiol II)
	pg/ml	326	261	391	
	pmol/l	1217	974	1460	Roche Modular E170 (Estradiol II)
	pg/ml	331	265	397	
	pmol/l	1830	1464	2196	Beckman Access
	pg/ml	498	398	598	
	pmol/l	1530	1224	1836	Tosoh (E2)
	pg/ml	416	333	499	
	pmol/l	1979	1583	2375	Vitros ECI
	pg/ml	538	431	645	
	pmol/l	1194	955	1433	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	325	260	390	
	pmol/l	1258	1006	1510	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	342	274	410	
	pmol/l	1974	1224	2724	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	537	333	741	
	pmol/l	2093	1298	2888	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	569	353	785	
	pmol/l	1502	1202	1802	Tosoh (iE2-hsE2)
	pg/ml	409	327	491	
	pmol/l	515	412	618	Immunotech RIA Ultra-sensitive
	pg/ml	140	112	168	
	pmol/l	2172	1347	2997	Siemens Centaur CP
	pg/ml	591	366	816	
	pmol/l	1968	1220	2716	Siemens Centaur CP Enhanced (eE2)
	pg/ml	535	332	738	
	pmol/l	1781	1425	2137	Fujirebio Lumipulse G
	pg/ml	484	388	580	
	pmol/l	1205	964	1446	Roche Cobas 6000/8000 (Estradiol III)
	pg/ml	328	262	394	
	pmol/l	1193	954	1432	Roche Elecsys (Estradiol III)
	pg/ml	324	259	389	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol	pmol/l	1203	962	1444	Roche Cobas 4000/E411 (Estradiol III)
	pg/ml	327	262	392	
	pmol/l	1176	941	1411	Roche Modular E170 (Estradiol III)
	pg/ml	320	256	384	
Paracetamol	mmol/l	0.494	0.395	0.593	Roche Integra
	mg/l	74.7	59.8	89.6	Abbott Architect
	mmol/l	0.516	0.413	0.619	
	mg/l	78.1	62.5	93.7	Roche Cobas 6000/8000
	mmol/l	0.448	0.358	0.538	
	mg/l	67.8	54.2	81.4	Gravimetric
	mmol/l	0.529	0.420	0.630	
	mg/l	80.0	63.5	95.3	
Phenobarbital	µmol/l	123	98.4	148	Abbott Architect
	µg/ml	28.5	22.8	34.2	Roche Cobas 6000/8000
	µmol/l	119	95.2	143	
	µg/ml	27.6	22.1	33.1	Siemens Immulite 2000/2500
	µmol/l	124	99.0	149	
	µg/ml	28.8	23.0	34.6	Beckman AU400/600/640/2700/5400
	µmol/l	128	102	154	
	µg/ml	29.7	23.7	35.7	Siemens Centaur XP/XPT/Classic
	µmol/l	142	104	180	
	µg/ml	32.9	24.0	41.8	Roche Integra
	µmol/l	119	95.2	143	
	µg/ml	27.6	22.1	33.1	Siemens Immulite 1000
	µmol/l	114	91.2	137	
	µg/ml	26.4	21.2	31.6	Roche Cobas E411
	µmol/l	120	96.0	144	
	µg/ml	27.8	22.3	33.3	Beckman DxC
	µmol/l	123	98.4	148	
	µg/ml	28.5	22.8	34.2	HPLC
	µmol/l	129	103	155	
	µg/ml	29.9	23.9	35.9	Gravimetric
	µmol/l	121	96.6	145	
	µg/ml	28.0	22.4	33.6	
Phenytoin	µmol/l	91.9	73.5	110	Abbott AXSYM
	µg/ml	23.2	18.6	27.8	Abbott Architect
	µmol/l	94.2	75.4	113	
	µg/ml	23.8	19.0	28.6	Siemens Centaur XP/XPT/Classic
	µmol/l	119	92.8	145	
	µg/ml	30.0	23.4	36.6	Siemens Dimension
	µmol/l	102	81.6	122	
	µg/ml	25.8	20.6	31.0	Siemens Immulite 2000/2500
	µmol/l	96.4	77.1	116	
	µg/ml	24.3	19.5	29.1	Siemens Immulite 1000
	µmol/l	87.9	70.3	105	
	µg/ml	22.2	17.8	26.6	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Phenytoin	µmol/l	88.8	71.0	107	HPLC
	µg/ml	22.4	17.9	26.9	
	µmol/l	91.4	73.1	110	Roche Integra
	µg/ml	23.1	18.5	27.7	
	µmol/l	93.0	74.4	112	Vitros
	µg/ml	23.5	18.8	28.2	
	µmol/l	93.0	74.4	112	Roche Cobas E411
	µg/ml	23.5	18.8	28.2	
	µmol/l	93.9	75.1	113	Roche Cobas 6000/8000
	µg/ml	23.7	19.0	28.4	
	µmol/l	91.1	72.9	109	Beckman DxC
	µg/ml	23.0	18.4	27.6	
Primidone	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	
Progesterone	nmol/l	105	84.0	126	Abbott Architect
	ng/ml	32.9	26.3	39.5	
	nmol/l	152	122	182	BioMerieux Vidas
	ng/ml	47.6	38.2	57.0	
	nmol/l	87.9	62.4	113	Siemens Centaur XP/XPT/Classic
	ng/ml	27.5	19.5	35.5	
	nmol/l	84.2	67.4	101	Siemens Immulite 2000/2500
	ng/ml	26.4	21.1	31.7	
	nmol/l	89.4	71.5	107	Siemens Immulite 1000
	ng/ml	28.0	22.4	33.6	
	nmol/l	112	89.6	134	Beckman Dxl Prog Cal 33555
	ng/ml	35.1	28.0	42.2	
	nmol/l	123	98.4	148	Roche Elecsys
	ng/ml	38.5	30.8	46.2	
	nmol/l	123	98.4	148	Roche Modular E170
	ng/ml	38.5	30.8	46.2	
	nmol/l	112	89.6	134	Beckman Access Prog Cal 33555
	ng/ml	35.1	28.0	42.2	
	nmol/l	120	96.0	144	Tosoh AIA360
	ng/ml	37.6	30.0	45.2	
	nmol/l	112	89.6	134	Vitros ECi
	ng/ml	35.1	28.0	42.2	
	nmol/l	125	100	150	Roche Cobas E411
	ng/ml	39.1	31.3	46.9	
	nmol/l	122	97.6	146	Roche Cobas 6000/8000
	ng/ml	38.2	30.5	45.9	
	nmol/l	87.0	69.6	104	Diasorin Liaison
	ng/ml	27.2	21.8	32.6	
	nmol/l	104	83.2	125	Immunotech RIA
	ng/ml	32.6	26.0	39.2	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone	nmol/l	104	83.2	125	Beckman Dxl Prog DE Cal A80773
	ng/ml	32.6	26.0	39.2	
	nmol/l	89.5	63.5	116	Siemens Centaur CP
	ng/ml	28.0	19.9	36.1	
Prolactin	µU/ml	1256	1005	1507	Abbott Architect
	µU/ml	1352	1082	1622	BioMerieux Vidas
	µU/ml	1055	791	1319	Siemens Centaur XP/XPT/Classic
	µU/ml	1085	868	1302	Siemens Immulite 2000/2500
	µU/ml	1087	870	1304	Siemens Immulite 1000
	µU/ml	969	775	1163	Beckman Dxl800
	µU/ml	1189	951	1427	Roche Elecsys
	µU/ml	1220	976	1464	Diasorin Liaison
	µU/ml	1154	923	1385	Roche Modular E170
	µU/ml	983	786	1180	Beckman Access
	µU/ml	1295	1036	1554	Tosoh AIA360
	µU/ml	1053	842	1264	Vitros ECI
	µU/ml	1141	913	1369	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	1266	1013	1519	Immunotech IRMA
	µU/ml	1207	966	1448	Roche Cobas E411
	µU/ml	1145	916	1374	Roche Cobas 6000/8000
	µU/ml	1220	976	1464	Abbott Architect restandardised
	µU/ml	1028	771	1285	Siemens Centaur CP
PSA Free	ng/ml = µg/l	25.4	19.1	31.8	Abbott Architect
	ng/ml = µg/l	32.9	24.7	41.1	BioMerieux Vidas
	ng/ml = µg/l	23.3	17.5	29.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	18.8	14.1	23.5	Siemens Dimension
	ng/ml = µg/l	19.7	14.8	24.6	Siemens Immulite 2000/2500
	ng/ml = µg/l	18.9	14.2	23.6	Siemens Immulite 1000
	ng/ml = µg/l	28.1	21.1	35.1	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	23.3	17.5	29.1	Roche Elecsys
	ng/ml = µg/l	10.8	8.10	13.5	Diasorin Liaison
	ng/ml = µg/l	23.4	17.6	29.3	Roche Modular E170
	ng/ml = µg/l	28.8	21.6	36.0	Beckman Access standardised to Hybritech
	ng/ml = µg/l	19.9	14.9	24.9	Tosoh AIA360
	ng/ml = µg/l	24.1	18.1	30.1	Roche Cobas E411
	ng/ml = µg/l	23.6	17.7	29.5	Roche Cobas 6000/8000
	ng/ml = µg/l	22.7	17.0	28.4	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	20.5	15.4	25.6	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	18.4	13.8	23.0	Fujirebio Lumipulse G
PSA Total	ng/ml = µg/l	28.4	21.3	35.5	Abbott Architect
	ng/ml = µg/l	29.5	22.1	36.9	bioMerieux VIDAS TPSA
	ng/ml = µg/l	27.5	20.6	34.4	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	22.3	16.7	27.9	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	20.7	15.5	25.9	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	22.2	16.7	27.8	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	20.5	15.4	25.6	Siemens Immulite 1000 1st generation

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
PSA Total	ng/ml = µg/l	30.8	23.1	38.5	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	25.3	19.0	31.6	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	36.3	27.2	45.4	Roche Elecsys
	ng/ml = µg/l	15.2	11.4	19.0	Diasorin Liaison
	ng/ml = µg/l	35.3	26.5	44.1	Roche Modular E170
	ng/ml = µg/l	31.5	23.6	39.4	Beckman Access standardised to Hybritech
	ng/ml = µg/l	31.2	23.4	39.0	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	19.2	14.4	24.0	Tosoh AIA360
	ng/ml = µg/l	33.2	24.9	41.5	Vitros ECI
	ng/ml = µg/l	29.0	21.8	36.3	CIS RIA Coated tube
	ng/ml = µg/l	36.5	27.4	45.6	Roche Cobas E411
	ng/ml = µg/l	35.6	26.7	44.5	Roche Cobas 6000/8000
	ng/ml = µg/l	25.9	19.4	32.4	Fujirebio Lumipulse G
	ng/ml = µg/l	33.6	25.2	42.0	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	27.8	20.9	34.7	Siemens Centaur CP
Salicylic Acid	mmol/l	2.74	2.19	3.29	Roche Integra
	mg/dl	37.8	30.2	45.4	
	mmol/l	2.94	2.35	3.53	Abbott Architect
	mg/dl	40.6	32.5	48.7	
	mmol/l	3.03	2.42	3.64	Beckman DxC
	mg/dl	41.9	33.4	50.4	
	mmol/l	2.88	2.30	3.45	Gravimetric
	mg/dl	39.7	31.8	47.7	
SHBG	nmol/l	56.4	45.1	67.7	Siemens Centaur XP/XPT/Classic
	nmol/l	38.8	31.0	46.6	Siemens Immulite 1000
	nmol/l	40.1	32.1	48.1	Siemens Immulite 2000/2500
	nmol/l	38.8	31.0	46.6	Roche Elecsys
	nmol/l	38.4	30.7	46.1	Roche Modular E170
	nmol/l	41.3	33.0	49.6	Abbott Architect
	nmol/l	39.8	31.8	47.8	Roche Cobas E411
	nmol/l	39.0	31.2	46.8	Roche Cobas 6000/8000
	nmol/l	40.7	32.6	48.8	Beckman Access
	nmol/l	40.4	32.3	48.5	Beckman Dxl800
T Uptake	%U	47.6	39.0	56.2	Siemens Immulite 2000
Testosterone	nmol/l	32.2	25.8	38.6	Abbott Architect
	ng/ml	9.27	7.43	11.1	
	ng/dl	927	743	1111	
	nmol/l	25.4	20.3	30.5	BioMerieux Vidas
	ng/ml	7.32	5.85	8.79	
	ng/dl	732	585	879	
	nmol/l	25.2	18.4	32.0	Siemens Centaur XP/XPT/Classic
	ng/ml	7.26	5.30	9.22	
	ng/dl	726	530	922	
	nmol/l	31.1	24.9	37.3	CIS RIA Coated tube
	ng/ml	8.96	7.17	10.8	
	ng/dl	896	717	1075	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone	nmol/l	40.3	32.2	48.4	Siemens Immulite 2000/2500
	ng/ml	11.6	9.27	13.9	
	ng/dl	1161	927	1395	
	nmol/l	51.0	40.8	61.2	Siemens Immulite 1000
	ng/ml	14.7	11.8	17.6	
	ng/dl	1469	1175	1763	
	nmol/l	25.8	20.6	31.0	Beckman Dxl800
	ng/ml	7.43	5.93	8.93	
	ng/dl	743	593	893	
	nmol/l	28.2	22.6	33.8	Beckman Access
	ng/ml	8.12	6.51	9.73	
	ng/dl	812	651	973	
	nmol/l	44.4	35.5	53.3	Tosoh AIA360
	ng/ml	12.8	10.2	15.4	
	ng/dl	1279	1022	1536	
	nmol/l	45.1	36.1	54.1	Vitros ECI
	ng/ml	13.0	10.4	15.6	
	ng/dl	1299	1040	1558	
	nmol/l	32.2	25.8	38.6	Roche Cobas 6000 Test 2
	ng/ml	9.27	7.43	11.1	
	ng/dl	927	743	1111	
	nmol/l	31.5	25.2	37.8	Roche Elecsys Test II
	ng/ml	9.07	7.26	10.9	
	ng/dl	907	726	1088	
	nmol/l	32.2	25.8	38.6	Roche Modular E170 Test II
	ng/ml	9.27	7.43	11.1	
	ng/dl	927	743	1111	
	nmol/l	31.8	25.4	38.2	Roche Cobas 4000/e411 Test II
	ng/ml	9.16	7.32	11.0	
	ng/dl	916	732	1100	
	nmol/l	31.8	25.4	38.2	Abbott Architect 2nd Generation
	ng/ml	9.16	7.32	11.0	
	ng/dl	916	732	1100	
	nmol/l	27.3	19.9	34.7	Siemens Centaur CP
	ng/ml	7.86	5.74	9.98	
	ng/dl	786	574	998	
	nmol/l	25.7	20.6	30.8	BioMerieux Vidas Testosterone II
	ng/ml	7.40	5.93	8.87	
	ng/dl	740	593	887	
Theophylline	µmol/l	135	108	162	Abbott AXSYM
	µg/ml	24.3	19.5	29.1	
	µmol/l	157	126	188	Siemens Centaur XP/XPT/Classic
	µg/ml	28.3	22.6	34.0	
	µmol/l	159	127	191	Siemens Dimension
	µg/ml	28.7	22.9	34.5	
	µmol/l	151	121	181	Siemens Immulite 2000/2500
	µg/ml	27.2	21.8	32.6	

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Theophylline	µmol/l	162	130	194	Roche Integra
	µg/ml	29.2	23.4	35.0	
	µmol/l	212	170	254	Vitros
	µg/ml	38.2	30.6	45.8	
	µmol/l	151	121	181	Abbott Architect
	µg/ml	27.2	21.8	32.6	
	µmol/l	155	124	186	Roche Cobas 6000/8000
	µg/ml	27.9	22.3	33.5	
	µmol/l	153	122	184	Beckman DxC
	µg/ml	27.6	22.0	33.2	
	µmol/l	152	122	182	Beckman AU400/600/640/2700/5400
	µg/ml	27.4	22.0	32.8	
Thyroglobulin	µmol/l	166	133	200	Gravimetric
	µg/ml	30.0	24.0	36.0	
	ng/ml	26.1	19.6	32.6	Siemens Immulite 1000
	ng/ml	26.2	19.7	32.8	Siemens Immulite 2000
	ng/ml	61.0	45.8	76.3	Roche Elecsys
	ng/ml	62.0	46.5	77.5	Roche Modular E170
	ng/ml	55.3	41.5	69.1	Beckman Dxl800
	ng/ml	63.5	47.6	79.4	Roche Cobas E411
	ng/ml	18.2	13.7	22.8	Diesse Chorus
	ng/ml	62.8	47.1	78.5	Roche Cobas 6000/8000
	ng/ml	56.5	42.4	70.6	Beckman Access
	ng/ml	60.5	45.4	75.6	Tosoh AIA360
	ng/ml	62.2	46.7	77.8	Roche Cobas 6000 TGII
	ng/ml	62.1	46.6	77.6	Roche Elecsys TGII
	ng/ml	60.9	45.7	76.1	Roche Cobas 4000/E411 TGII
	ng/ml	60.8	45.6	76.0	Roche Modular E170 TGII
Thyroid Stimulating Hormone	µU/ml = mIU/l	18.9	15.1	22.7	Abbott Architect
	µU/ml = mIU/l	22.1	17.7	26.5	bioMerieux VIDAS TSH
	µU/ml = mIU/l	18.4	14.7	22.1	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	23.5	16.0	31.0	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	24.6	19.7	29.5	CIS IRMA
	µU/ml = mIU/l	24.2	16.5	31.9	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	20.5	16.4	24.6	Siemens Dimension
	µU/ml = mIU/l	21.3	17.0	25.6	Siemens Immulite 2000/2500
	µU/ml = mIU/l	21.7	17.4	26.0	Siemens Immulite 1000
	µU/ml = mIU/l	19.5	15.6	23.4	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	20.0	16.0	24.0	Beckman Dxl800
	µU/ml = mIU/l	21.5	17.2	25.8	Roche Elecsys
	µU/ml = mIU/l	26.7	21.4	32.0	Diasorin Liaison
	µU/ml = mIU/l	21.3	17.0	25.6	Roche Modular E170
	µU/ml = mIU/l	19.3	15.4	23.2	Beckman Access Fast TSH
	µU/ml = mIU/l	20.6	16.5	24.7	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	22.8	18.2	27.4	Tosoh AIA360

%

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone	µU/ml = mIU/l	29.6	23.7	35.5	Vitros ECI
	µU/ml = mIU/l	23.1	18.5	27.7	Immunotech IRMA
	µU/ml = mIU/l	21.7	17.4	26.0	Roche Cobas E411
	µU/ml = mIU/l	21.3	17.0	25.6	Roche Cobas 6000/8000
	µU/ml = mIU/l	19.5	15.6	23.4	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	25.5	20.4	30.6	Monobind Inc. ELISA / CLIA
	µU/ml = mIU/l	20.6	16.5	24.7	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	23.0	15.6	30.4	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	23.3	15.8	30.8	Siemens Centaur CP
	µU/ml = mIU/l	23.4	15.9	30.9	Siemens Centaur CP TSH3-Ultra
Tobramycin	µmol/l	10.3	8.21	12.3	Gravimetric
	µg/ml	4.80	3.84	5.76	
Total Beta hCG	mU/ml=IU/l	339	271	407	Abbott Architect
	IU/ml	0.339	0.271	0.407	
	mU/ml=IU/l	670	536	804	BioMerieux Vidas
	IU/ml	0.670	0.536	0.804	
	mU/ml=IU/l	326	196	456	Siemens Centaur XP/XPT/Classic
	IU/ml	0.326	0.196	0.456	
	mU/ml=IU/l	609	487	731	Siemens Dimension
	IU/ml	0.609	0.487	0.731	
	mU/ml=IU/l	667	534	800	Siemens Immulite 2000
	IU/ml	0.667	0.534	0.800	
	mU/ml=IU/l	665	532	798	Siemens Immulite 1000
	IU/ml	0.665	0.532	0.798	
	mU/ml=IU/l	324	259	389	Beckman Dxl800
	IU/ml	0.324	0.259	0.389	
	mU/ml=IU/l	330	264	396	Diasorin Liaison
	IU/ml	0.330	0.264	0.396	
	mU/ml=IU/l	398	318	478	Roche Cobas Core EIA
	IU/ml	0.398	0.318	0.478	
	mU/ml=IU/l	316	253	379	Beckman Access
	IU/ml	0.316	0.253	0.379	
	mU/ml=IU/l	629	503	755	Tosoh AIA360
	IU/ml	0.629	0.503	0.755	
	mU/ml=IU/l	663	530	796	Vitros ECI
	IU/ml	0.663	0.530	0.796	
	mU/ml=IU/l	600	480	720	Roche STAT (Intact)
	IU/ml	0.600	0.480	0.720	
	mU/ml=IU/l	415	332	498	Roche hCG+Beta
	IU/ml	0.415	0.332	0.498	
	mU/ml=IU/l	603	482	724	Brahms Kryptor
	IU/ml	0.603	0.482	0.724	
	mU/ml=IU/l	363	290	436	Radiometer AQT90 Flex
	IU/ml	0.363	0.290	0.436	
	mU/ml=IU/l	320	256	384	Beckman Access Total BhCG (5th IS)
	IU/ml	0.320	0.256	0.384	

%

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	327	262	392	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.327	0.262	0.392	
	mU/ml=IU/l	320	192	448	Siemens Centaur CP
	IU/ml	0.320	0.192	0.448	
Total T3	nmol/l	5.33	4.00	6.66	Abbott Architect
	ng/ml	3.47	2.60	4.34	
	ng/dl	347	260	434	
	nmol/l	6.28	4.71	7.85	BioMerieux Vidas
	ng/ml	4.09	3.07	5.11	
	ng/dl	409	307	511	
	nmol/l	7.63	5.72	9.54	Siemens Centaur XP/XPT/Classic
	ng/ml	4.97	3.73	6.21	
	ng/dl	497	373	621	
	nmol/l	6.56	4.92	8.20	Siemens Immulite 2000/2500
	ng/ml	4.27	3.20	5.34	
	ng/dl	427	320	534	
	nmol/l	6.68	5.01	8.35	Siemens Immulite 1000
	ng/ml	4.35	3.26	5.44	
	ng/dl	435	326	544	
	nmol/l	5.72	4.29	7.15	Beckman Dxl800
	ng/ml	3.72	2.79	4.65	
	ng/dl	372	279	465	
	nmol/l	7.02	5.27	8.78	Roche Elecsys
	ng/ml	4.57	3.43	5.71	
	ng/dl	457	343	571	
	nmol/l	6.43	4.82	8.04	Diasorin Liaison
	ng/ml	4.19	3.14	5.24	
	ng/dl	419	314	524	
	nmol/l	6.61	4.96	8.26	Roche Modular E170
	ng/ml	4.30	3.23	5.37	
	ng/dl	430	323	537	
	nmol/l	5.67	4.25	7.09	Beckman Access
	ng/ml	3.69	2.77	4.61	
	ng/dl	369	277	461	
	nmol/l	6.43	4.82	8.04	Tosoh AIA360
	ng/ml	4.19	3.14	5.24	
	ng/dl	419	314	524	
	nmol/l	7.33	5.50	9.16	Vitros ECi
	ng/ml	4.77	3.58	5.96	
	ng/dl	477	358	596	
	nmol/l	4.71	3.53	5.89	CIS RIA Coated tube
	ng/ml	3.07	2.30	3.84	
	ng/dl	307	230	384	
	nmol/l	6.93	5.20	8.66	Roche Cobas E411
	ng/ml	4.51	3.39	5.63	
	ng/dl	451	339	563	

%

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Total T3	nmol/l	6.68	5.01	8.35	Roche Cobas 6000/8000
	ng/ml	4.35	3.26	5.44	
	ng/dl	435	326	544	
	nmol/l	8.29	6.22	10.4	Monobind Inc. ELISA / CLIA
	ng/ml	5.40	4.05	6.75	
	ng/dl	540	405	675	
	nmol/l	8.94	6.71	11.2	Siemens Centaur CP
	ng/ml	5.82	4.37	7.27	
	ng/dl	582	437	727	
Total T4	nmol/l	210	158	263	Abbott Architect
	µg/dl	16.4	12.3	20.5	
	ng/ml	164	123	205	
	nmol/l	240	180	300	BioMerieux Vidas
	µg/dl	18.7	14.0	23.4	
	ng/ml	187	140	234	
	nmol/l	211	148	274	Siemens Centaur XP/XPT/Classic
	µg/dl	16.5	11.6	21.4	
	ng/ml	165	116	214	
	nmol/l	199	149	249	Siemens Immulite 2000/2500
	µg/dl	15.5	11.6	19.4	
	ng/ml	155	116	194	
	nmol/l	192	144	240	Siemens Immulite 1000
	µg/dl	15.0	11.2	18.8	
	ng/ml	150	112	188	
	nmol/l	211	158	264	Beckman Dxl800
	µg/dl	16.5	12.3	20.7	
	ng/ml	165	123	207	
	nmol/l	180	135	225	Roche Elecsys
	µg/dl	14.0	10.5	17.5	
	ng/ml	140	105	175	
	nmol/l	171	128	214	Diasorin Liaison
	µg/dl	13.3	9.98	16.6	
	ng/ml	133	100	166	
	nmol/l	187	140	234	Roche Modular E170
	µg/dl	14.6	10.9	18.3	
	ng/ml	146	109	183	
	nmol/l	219	164	274	Beckman Access
	µg/dl	17.1	12.8	21.4	
	ng/ml	171	128	214	
	nmol/l	183	137	229	Tosoh AIA360
	µg/dl	14.3	10.7	17.9	
	ng/ml	143	107	179	
	nmol/l	215	161	269	Vitros ECI
	µg/dl	16.8	12.6	21.0	
	ng/ml	168	126	210	
	nmol/l	192	144	240	MP Biomedicals RIA
	µg/dl	15.0	11.2	18.8	
	ng/ml	150	112	188	

%

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	197	148	246	CIS RIA Coated tube
	µg/dl	15.4	11.5	19.3	
	ng/ml	154	115	193	
	nmol/l	182	137	228	Roche Cobas E411
	µg/dl	14.2	10.7	17.7	
	ng/ml	142	107	177	
	nmol/l	185	139	231	Roche Cobas 6000/8000
	µg/dl	14.4	10.8	18.0	
	ng/ml	144	108	180	
	nmol/l	160	120	200	Immunotech IRMA
	µg/dl	12.5	9.36	15.6	
	ng/ml	125	93.6	156	
	nmol/l	216	151	281	Siemens Centaur CP
	µg/dl	16.8	11.8	21.8	
	ng/ml	168	118	218	
Valproic Acid	µmol/l	943	754	1132	Abbott Architect
	µg/ml	136	109	163	
	µmol/l	921	737	1105	Siemens Centaur XP/XPT/Classic
	µg/ml	133	106	160	
	µmol/l	931	745	1117	Siemens Dimension
	µg/ml	134	108	160	
	µmol/l	964	771	1157	Siemens Immulite 2000/2500
	µg/ml	139	111	167	
	µmol/l	936	749	1123	Siemens Immulite 1000
	µg/ml	135	108	162	
	µmol/l	941	753	1129	Roche Integra
	µg/ml	136	109	163	
	µmol/l	918	734	1102	Vitros
	µg/ml	132	106	158	
	µmol/l	931	745	1117	Roche Modular P-D
	µg/ml	134	108	160	
	µmol/l	970	776	1164	Roche Cobas E411
	µg/ml	140	112	168	
	µmol/l	944	755	1133	Roche Cobas 6000/8000
	µg/ml	136	109	163	
	µmol/l	860	688	1032	Beckman DxC
	µg/ml	124	99.3	149	
	µmol/l	979	783	1175	Beckman AU400/600/640/2700/5400
	µg/ml	141	113	169	
	µmol/l	1048	838	1258	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	151	121	181	
	µmol/l	1116	893	1339	Gravimetric
	µg/ml	161	129	193	
Vancomycin	µmol/l	12.8	10.2	15.4	Roche Integra
	µg/ml	19.0	15.2	22.8	

%

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

Cat. No. IA3111 / IA3112 Lot No. 1646EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2019-04-28

Range					
Analyte	unit	Target	low	high	methods
Vancomycin	µmol/l	9.71	7.77	11.7	Ortho Vitros Microslide Systems
	µg/ml	14.4	11.5	17.3	
	µmol/l	12.2	9.76	14.6	Abbott Architect
	µg/ml	18.1	14.5	21.7	
	µmol/l	9.69	7.75	11.6	Siemens Centaur XP/XPT/Classic
	µg/ml	14.4	11.5	17.3	
	µmol/l	10.8	8.64	13.0	Siemens Dimension
	µg/ml	16.0	12.8	19.2	
	µmol/l	10.4	8.32	12.5	Roche Cobas 6000/8000
	µg/ml	15.5	12.4	18.6	
	µmol/l	11.2	8.96	13.4	Beckman DxC
	µg/ml	16.6	13.3	19.9	
	µmol/l	10.8	8.62	12.9	Gravimetric
	µg/ml	16.0	12.8	19.2	
Vitamin B12	pmol/l	625	500	750	Abbott AXSYM
	pg/ml	847	678	1016	
	pmol/l	618	494	742	Abbott Architect
	pg/ml	837	669	1005	
	pmol/l	716	537	895	Siemens Centaur XP/XPT/Classic
	pg/ml	970	728	1212	
	pmol/l	594	475	713	Siemens Immulite 2000
	pg/ml	805	644	966	
	pmol/l	604	483	725	Beckman Dxl800
	pg/ml	818	654	982	
	pmol/l	668	534	802	Roche Elecsys
	pg/ml	905	724	1086	
	pmol/l	696	557	835	Roche Modular E170
	pg/ml	943	755	1131	
	pmol/l	614	491	737	Beckman Access
	pg/ml	832	665	999	
	pmol/l	879	703	1055	Tosoh AIA360
	pg/ml	1191	953	1429	
	pmol/l	669	535	803	Vitros ECI
	pg/ml	906	725	1087	
	pmol/l	711	569	853	MP Biomedicals RIA
	pg/ml	963	771	1155	
	pmol/l	675	540	810	Roche Cobas E411
	pg/ml	915	732	1098	
	pmol/l	696	557	835	Roche Cobas 6000/8000
	pg/ml	943	755	1131	
	pmol/l	644	515	773	Siemens Dimension
	pg/ml	873	698	1048	
	pmol/l	740	555	925	Siemens Centaur CP
	pg/ml	1003	752	1254	