

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

CAT. NO. IA2639	GTIN: 05055273203851	SIZE: 12 x 5 ml
CAT. NO. IA2633	GTIN: 05055273203837	SIZE: 4 x 5 ml
LOT NO. 1977EC	EXPIRY: 2022-12-28	

INTENDED USE

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

This device is for prescription use only.

SAFETY PRECAUTIONS AND WARNINGS

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

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

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

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

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

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

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

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

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

PREPARATION

Immunoassay Premium is supplied lyophilised.

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

MATERIALS PROVIDED

Immunoassay Premium - 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 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 - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
17-OH-Progesterone	nmol/l	15.1	11.3	18.9	DIAsource ELISA
	ng/ml	5.00	3.74	6.26	
25-OH Vitamin D	nmol/l	79.1	59.3	98.9	Siemens Centaur XP/XPT/Classic
	nmol/l	45.0	33.8	56.3	Roche Vitamin D Total
	nmol/l	47.1	35.3	58.9	Abbott Architect
	nmol/l	73.2	54.9	91.5	Vitros ECi
	nmol/l	57.5	43.1	71.9	BioMerieux Vidas
	nmol/l	45.8	34.4	57.3	Beckman Dxl 600/800
	nmol/l	49.8	37.4	62.3	Roche Vitamin D Total II
	nmol/l	61.9	46.4	77.4	Diasorin Liaison XL
	nmol/l	59.5	44.6	74.3	Diasorin Liaison
ACTH	pmol/l	4.86	3.65	6.08	Siemens Immulite 2000/2500
	pg/ml	22.1	16.6	27.6	
	pmol/l	2.44	1.83	3.05	Roche Cobas E411
	pg/ml	11.1	8.32	13.9	
	pmol/l	2.18	1.64	2.73	Roche Cobas 6000/8000
	pg/ml	9.91	7.45	12.4	
	pmol/l	4.84	3.63	6.05	Siemens Immulite 1000
pg/ml	22.0	16.5	27.5		
Aldosterone	pmol/l	339	254	424	Diasorin Liaison XL
	pg/ml	122	91.6	153	
Alpha-fetoprotein	KIU/l = IU/ml	47.3	37.8	56.8	BioMerieux Vidas
	ng/ml	57.2	45.7	68.7	
	KIU/l = IU/ml	42.6	34.1	51.1	Beckman Access
	ng/ml	51.5	41.3	61.7	
	KIU/l = IU/ml	49.0	39.2	58.8	Vitros ECi
	ng/ml	51.0	40.8	61.2	
	KIU/l = IU/ml	52.2	41.2	63.2	Siemens Centaur XP/XPT/Classic
	ng/ml	63.2	49.9	76.5	
	KIU/l = IU/ml	46.6	37.3	55.9	Siemens Immulite 2000/2500
	ng/ml	56.4	45.1	67.7	
	KIU/l = IU/ml	45.2	36.2	54.2	Abbott Architect
	ng/ml	54.7	43.8	65.6	
	KIU/l = IU/ml	41.2	33.0	49.4	Beckman Dxl800
	ng/ml	49.9	39.9	59.9	
	KIU/l = IU/ml	50.7	40.6	60.8	Roche Cobas 6000/8000
	ng/ml	61.3	49.1	73.5	
	KIU/l = IU/ml	51.6	41.3	61.9	Roche Cobas E411
	ng/ml	62.4	50.0	74.8	
	KIU/l = IU/ml	50.7	40.5	60.8	Siemens Atellica IM
	ng/ml	61.3	49.0	73.6	
KIU/l = IU/ml	50.6	40.5	60.7	Diasorin Liaison	
ng/ml	61.2	49.0	73.4		

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Analyte	unit	Target	Range		methods
			low	high	
Alpha-fetoprotein	KIU/l = IU/ml	49.3	39.4	59.2	Diasorin Liaison XL
	ng/ml	59.7	47.7	71.6	
Amikacin	µmol/l	15.3	12.2	18.3	Gravimetric
	µg/ml	8.93	7.14	10.7	
Androstenedione	nmol/l	15.3	11.5	19.1	Siemens Immulite 2000
	ng/ml	4.39	3.30	5.48	
	nmol/l	9.31	6.98	11.6	Diasorin Liaison XL
	ng/ml	2.67	2.00	3.33	
Beta-2-microglobulin	µg/ml = mg/l	3.29	2.63	3.95	Siemens Immulite 1000
	µg/ml = mg/l	2.92	2.34	3.50	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.28	2.62	3.94	Abbott Architect
	µg/ml = mg/l	3.33	2.66	4.00	Roche Cobas 6000/8000
	µg/ml = mg/l	3.05	2.44	3.66	Diasorin Liaison
C-Peptide	nmol/l	2.070	1.550	2.590	Siemens Immulite 2000/2500
	ng/ml	6.25	4.68	7.82	
	nmol/l	2.050	1.540	2.560	Roche Cobas 6000/8000
	ng/ml	6.19	4.65	7.73	
	nmol/l	2.020	1.520	2.530	Roche Cobas E411
	ng/ml	6.10	4.59	7.61	
	nmol/l	2.140	1.605	2.675	Diasorin Liaison XL
	ng/ml	6.46	4.85	8.08	
Carbamazepine	µmol/l	40.7	28.5	52.9	Siemens Centaur XP/XPT/Classic
	µg/ml	9.62	6.73	12.5	
	µmol/l	37.1	29.7	44.5	Abbott Architect
	µg/ml	8.77	7.02	10.5	
	µmol/l	36.4	29.1	43.7	Roche Cobas 6000/8000
	µg/ml	8.60	6.88	10.3	
	µmol/l	38.5	30.8	46.2	Gravimetric
	µg/ml	9.10	7.28	10.9	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	23.7	19.0	28.4	BioMerieux Vidas
	ng/ml = µg/l	30.7	24.6	36.8	Siemens Immulite 1000
	ng/ml = µg/l	24.1	19.3	28.9	Vitros ECi
	ng/ml = µg/l	22.8	18.2	27.4	Beckman Access
	ng/ml = µg/l	25.5	17.3	33.7	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	28.3	22.6	34.0	Siemens Immulite 2000/2500
	ng/ml = µg/l	26.6	21.3	31.9	Abbott Architect
	ng/ml = µg/l	20.0	16.0	24.0	Diasorin Liaison
	ng/ml = µg/l	21.6	17.3	25.9	Beckman Dxl800
	ng/ml = µg/l	20.5	16.4	24.6	Roche Cobas 6000/8000
	ng/ml = µg/l	20.7	16.6	24.8	Roche Cobas E411
	ng/ml = µg/l	26.0	20.8	31.2	SNIBE Maglumi Analysers
	ng/ml = µg/l	23.8	19.0	28.5	Siemens Atellica IM
ng/ml = µg/l	20.5	16.4	24.6	Diasorin Liaison XL	

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Analyte	unit	Target	Range		methods
			low	high	
Cortisol	nmol/l	655	491	819	Siemens Immulite 1000
	µg/dl	23.6	17.7	29.5	
	nmol/l	767	575	959	Roche Elecsys
	µg/dl	27.6	20.7	34.5	
	nmol/l	718	495	941	Siemens Centaur XP/XPT/Classic
	µg/dl	25.8	17.8	33.8	
	nmol/l	626	470	783	Siemens Immulite 2000/2500
	µg/dl	22.5	16.9	28.1	
	nmol/l	584	438	730	Vitros ECI
	µg/dl	21.0	15.8	26.2	
	nmol/l	553	415	691	Abbott Architect
	µg/dl	19.9	14.9	24.9	
	nmol/l	600	450	750	Beckman DxI800
	µg/dl	21.6	16.2	27.0	
	nmol/l	761	571	951	Roche Cobas 6000/8000
	µg/dl	27.4	20.6	34.2	
	nmol/l	700	525	875	Roche Cobas E411
	µg/dl	25.2	18.9	31.5	
nmol/l	651	488	814	Roche Cobas 4000/e411 Gen II	
µg/dl	23.4	17.6	29.2		
nmol/l	602	452	753	Roche Cobas 6000/8000 Gen II	
µg/dl	21.7	16.3	27.1		
nmol/l	753	565	941	Siemens Atellica IM	
µg/dl	27.1	20.3	33.9		
nmol/l	714	536	893	Diasorin Liaison XL	
µg/dl	25.7	19.3	32.1		
nmol/l	628	471	785	Diasorin Liaison	
µg/dl	22.6	17.0	28.3		
DHEA-S	µmol/l	11.2	8.96	13.4	Siemens Immulite 2000/2500
	µmol/l	12.1	9.68	14.5	Abbott Architect
	µmol/l	10.3	8.24	12.4	Beckman DxI800
	µmol/l	11.1	7.22	15.0	Siemens Centaur XP/XPT/Classic
	µmol/l	15.2	12.2	18.2	Roche Cobas E411
	µmol/l	14.9	11.9	17.9	Roche Cobas 6000/8000
	µmol/l	11.4	9.14	13.7	Siemens Atellica IM
	µmol/l	11.4	9.12	13.7	Diasorin Liaison XL
Digoxin	nmol/l	3.19	2.55	3.83	Siemens Immulite 2000/2500
	ng/ml	2.49	1.99	2.99	
	nmol/l	3.22	2.48	3.96	Siemens Centaur XP/XPT/Classic
	ng/ml	2.51	1.93	3.09	
	nmol/l	2.51	2.01	3.01	Abbott Architect
	ng/ml	1.96	1.57	2.35	
	nmol/l	2.98	2.38	3.58	Beckman DxI800
	ng/ml	2.33	1.86	2.80	
nmol/l	3.07	2.46	3.68	Gravimetric	
ng/ml	2.40	1.92	2.87		

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Analyte	unit	Target	Range		methods
			low	high	
Ethosuximide	µmol/l	360	288	431	Gravimetric
	µg/ml	51.0	40.8	61.1	
Ferritin	ng/ml = µg/l	72.7	58.2	87.2	BioMerieux Vidas
	ng/ml = µg/l	76.8	61.4	92.2	Siemens Immulite 1000
	ng/ml = µg/l	109	87.2	131	Roche Elecsys
	ng/ml = µg/l	68.5	54.8	82.2	Beckman Access
	ng/ml = µg/l	62.9	50.3	75.5	Vitros ECI
	ng/ml = µg/l	87.9	65.9	110	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	85.8	68.6	103	Siemens Immulite 2000/2500
	ng/ml = µg/l	107	85.6	128	Abbott Architect
	ng/ml = µg/l	104	83.2	125	Roche Modular E170
	ng/ml = µg/l	67.7	54.2	81.2	Beckman Dxl800
	ng/ml = µg/l	88.0	70.4	106	Siemens Atellica IM
	ng/ml = µg/l	99.1	79.3	119	Diasorin Liaison
ng/ml = µg/l	106	84.8	127	Diasorin Liaison XL	
Folate	nmol/l	13.7	10.4	17.0	Beckman Access
	ng/ml	6.04	4.59	7.49	
	nmol/l	9.99	7.59	12.4	Siemens Immulite 2000
	ng/ml	4.41	3.35	5.47	
	nmol/l	9.69	7.36	12.0	Vitros ECI
	ng/ml	4.27	3.25	5.29	
	nmol/l	12.2	9.27	15.1	Abbott Architect
	ng/ml	5.38	4.09	6.67	
	nmol/l	26.8	17.4	36.2	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	11.8	7.67	15.9	
	nmol/l	14.0	10.6	17.4	Beckman Dxl800
	ng/ml	6.17	4.67	7.67	
	nmol/l	13.0	9.88	16.1	Roche Cobas E411
	ng/ml	5.73	4.36	7.10	
nmol/l	12.7	9.65	15.7	Roche Cobas 6000/8000 Folate III	
ng/ml	5.60	4.26	6.94		
nmol/l	24.2	18.4	30.0	Siemens Atellica IM	
ng/ml	10.7	8.11	13.2		
Free T3	pmol/l	15.0	11.3	18.8	Roche Elecsys
	ng/dl	0.975	0.735	1.22	
	pg/ml	9.77	7.36	12.2	
	pmol/l	11.0	8.25	13.8	Beckman Access
	ng/dl	0.715	0.536	0.894	
	pg/ml	7.16	5.37	8.95	
	pmol/l	30.7	23.0	38.4	Vitros ECI
	ng/dl	2.00	1.50	2.50	
	pg/ml	20.0	15.0	25.0	
	pmol/l	13.2	7.92	18.5	Siemens Centaur XP/XPT/Classic
	ng/dl	0.858	0.515	1.20	
	pg/ml	8.59	5.15	12.0	
	pmol/l	9.32	6.99	11.7	Siemens Immulite 2000/2500
	ng/dl	0.606	0.454	0.758	
pg/ml	6.07	4.55	7.59		

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Free T3	pmol/l	11.2	8.40	14.0	Abbott Architect
	ng/dl	0.728	0.546	0.910	
	pg/ml	7.29	5.47	9.11	
	pmol/l	17.4	13.1	21.8	Diasorin Liaison
	ng/dl	1.13	0.852	1.41	
	pg/ml	11.3	8.53	14.1	
	pmol/l	9.53	7.15	11.9	Beckman Dxl800
	ng/dl	0.619	0.465	0.773	
	pg/ml	6.20	4.65	7.75	
	pmol/l	14.9	11.2	18.6	Roche Cobas E411
	ng/dl	0.969	0.728	1.21	
	pg/ml	9.70	7.29	12.1	
	pmol/l	15.0	11.3	18.8	Roche Cobas 6000/8000
	ng/dl	0.975	0.735	1.22	
	pg/ml	9.77	7.36	12.2	
	pmol/l	12.3	9.23	15.4	SNIBE Maglumi Analysers
	ng/dl	0.800	0.600	1.00	
	pg/ml	8.01	6.01	10.0	
	pmol/l	12.7	7.62	17.8	Siemens Centaur CP
	ng/dl	0.826	0.496	1.16	
	pg/ml	8.27	4.96	11.6	
	pmol/l	13.4	10.0	16.7	Siemens Atellica IM
	ng/dl	0.870	0.650	1.09	
	pg/ml	8.71	6.51	10.9	
pmol/l	18.3	13.7	22.9	Diasorin Liaison XL	
ng/dl	1.19	0.890	1.49		
pg/ml	11.9	8.92	14.9		
Free T4	pmol/l	45.9	34.4	57.4	Siemens Immulite 1000
	ng/dl	3.58	2.68	4.48	
	pg/ml	35.8	26.8	44.8	
	pmol/l	43.0	32.3	53.8	Roche Elecsys
	ng/dl	3.35	2.52	4.18	
	pg/ml	33.5	25.2	41.8	
	pmol/l	33.6	25.2	42.0	Beckman Access
	ng/dl	2.62	1.97	3.27	
	pg/ml	26.2	19.7	32.7	
	pmol/l	78.0	58.5	97.5	Vitros ECi
	ng/dl	6.08	4.56	7.60	
	pg/ml	60.8	45.6	76.0	
	pmol/l	30.2	22.7	37.8	Siemens Centaur XP/XPT/Classic
	ng/dl	2.36	1.77	2.95	
	pg/ml	23.6	17.7	29.5	
	pmol/l	42.9	32.2	53.6	Siemens Immulite 2000/2500
	ng/dl	3.35	2.51	4.19	
	pg/ml	33.5	25.1	41.9	

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Analyte	unit	Target	Range		methods
			low	high	
Free T4	pmol/l	29.7	22.3	37.1	Abbott Architect
	ng/dl	2.32	1.74	2.90	
	pg/ml	23.2	17.4	29.0	
	pmol/l	49.6	37.2	62.0	Diasorin Liaison
	ng/dl	3.87	2.90	4.84	
	pg/ml	38.7	29.0	48.4	
	pmol/l	34.5	25.9	43.1	Beckman Dxl800
	ng/dl	2.69	2.02	3.36	
	pg/ml	26.9	20.2	33.6	
	pmol/l	39.8	29.9	49.8	Roche Cobas 6000/8000
	ng/dl	3.10	2.33	3.87	
	pg/ml	31.0	23.3	38.7	
	pmol/l	40.6	30.5	50.8	Roche Cobas E411
	ng/dl	3.17	2.38	3.96	
	pg/ml	31.7	23.8	39.6	
	pmol/l	45.4	34.1	56.8	Biomerieux Vidas FT4N Kit
	ng/dl	3.54	2.66	4.42	
	pg/ml	35.4	26.6	44.2	
	pmol/l	32.3	24.2	40.4	Siemens Centaur CP
	ng/dl	2.52	1.89	3.15	
	pg/ml	25.2	18.9	31.5	
pmol/l	32.5	24.4	40.6	Siemens Atellica IM	
ng/dl	2.54	1.90	3.17		
pg/ml	25.4	19.0	31.7		
pmol/l	53.4	40.1	66.8	Diasorin Liaison XL	
ng/dl	4.17	3.13	5.21		
pg/ml	41.7	31.3	52.1		
FSH	mU/ml	29.8	23.8	35.8	BioMerieux Vidas
	mU/ml	28.7	23.0	34.4	Beckman Access
	mU/ml	25.7	20.6	30.8	Roche/BM Elecsys
	mU/ml	21.1	16.9	25.3	Vitros ECi
	mU/ml	35.6	26.7	44.5	Siemens Centaur XP/XPT/Classic
	mU/ml	27.9	22.3	33.5	Siemens Immulite 2000/2500
	mU/ml	24.1	19.3	28.9	Abbott Architect
	mU/ml	32.0	25.6	38.4	Diasorin Liaison
	mU/ml	29.7	23.8	35.6	Beckman Dxl800
	mU/ml	27.7	22.2	33.2	Roche Cobas E411
	mU/ml	26.1	20.9	31.3	Roche Cobas 6000/8000
	mU/ml	37.0	29.6	44.4	Siemens Atellica IM
	mU/ml	39.6	31.7	47.5	Diasorin Liaison XL
Gentamicin	µmol/l	8.16	6.53	9.79	Gravimetric
	µg/ml	3.90	3.12	4.68	
Growth Hormone (GH)	µU/ml	18.4	14.7	22.1	Siemens Immulite 1000
	ng/ml	6.13	4.90	7.36	
	µU/ml	19.3	15.4	23.2	Siemens Immulite 2000/2500
	ng/ml	6.43	5.13	7.73	

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Analyte	unit	Target	Range		methods
			low	high	
Growth Hormone (GH)	µU/ml	14.6	11.7	17.5	Beckman DxI800
	ng/ml	4.86	3.90	5.82	
	µU/ml	16.1	12.9	19.3	Diasorin Liaison
	ng/ml	5.36	4.30	6.42	
	µU/ml	16.8	13.4	20.2	Roche Cobas 6000/8000
	ng/ml	5.59	4.46	6.72	
Immunoglobulin E	µU/ml	15.6	12.5	18.7	Diasorin Liaison XL
	ng/ml	5.19	4.16	6.23	
	KIU/I = IU/ml	108	86.4	130	Siemens Immulite 1000
	KIU/I = IU/ml	98.9	79.1	119	BioMerieux Vidas
	KIU/I = IU/ml	101	60.6	141	Siemens Centaur XP/XPT/Classic
	KIU/I = IU/ml	102	81.6	122	Siemens Immulite 2000/2500
	KIU/I = IU/ml	101	80.8	121	Abbott Architect
	KIU/I = IU/ml	112	89.6	134	Roche Cobas E411
Insulin	KIU/I = IU/ml	112	89.6	134	Roche Cobas 6000/8000
	KIU/I = IU/ml	103	82.0	123	Siemens Atellica IM
	mU/l	18.2	13.7	22.7	Siemens Centaur XP/XPT/Classic
	µU/ml	18.2	13.7	22.7	
	mU/l	15.3	11.5	19.1	Abbott Architect
	µU/ml	15.3	11.5	19.1	
	mU/l	16.3	12.2	20.4	Roche Cobas E411
	µU/ml	16.3	12.2	20.4	
	mU/l	16.6	12.5	20.8	Roche Cobas 6000/8000
	µU/ml	16.6	12.5	20.7	
	mU/l	14.5	10.9	18.1	Beckman DxI 600/800
	µU/ml	14.5	10.9	18.1	
	mU/l	18.5	13.8	23.1	Siemens Atellica IM
	µU/ml	18.5	13.8	23.1	
Luteinising Hormone (LH)	mU/l	20.6	15.5	25.8	Diasorin Liaison
	µU/ml	20.6	15.5	25.8	
	mU/l	20.9	15.7	26.1	Diasorin Liaison XL
	µU/ml	20.9	15.7	26.1	
	mU/ml	23.7	19.0	28.4	Beckman Access
	mU/ml	29.6	23.7	35.5	BioMerieux Vidas
	mU/ml	50.0	40.0	60.0	Siemens Immulite 1000
	mU/ml	33.0	26.4	39.6	Roche Elecsys
	mU/ml	47.0	37.6	56.4	Vitros ECi
	mU/ml	33.8	26.0	41.6	Siemens Centaur XP/XPT/Classic
	mU/ml	49.0	39.2	58.8	Siemens Immulite 2000
	mU/ml	28.0	22.4	33.6	Abbott Architect
	mU/ml	40.4	32.3	48.5	Diasorin Liaison
	mU/ml	23.9	19.1	28.7	Beckman DxI800
mU/ml	36.0	28.8	43.2	Roche Cobas E411	
mU/ml	36.4	29.1	43.7	Roche Cobas 6000/8000	
mU/ml	39.5	31.6	47.4	Diasorin Liaison XL	

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Luteinising Hormone	mU/ml	34.8	27.9	41.8	Siemens Atellica IM
Oestradiol	pmol/l	1361	1089	1633	BioMerieux Vidas
	pg/ml	370	296	444	
	pmol/l	917	734	1100	Roche Elecsys (Estradiol II)
	pg/ml	249	200	298	
	pmol/l	1207	966	1448	Vitros Eci
	pg/ml	328	263	393	
	pmol/l	1241	993	1489	Beckman Access
	pg/ml	338	270	406	
	pmol/l	1283	770	1796	Siemens Centaur XP/XPT/Classic
	pg/ml	349	209	489	
	pmol/l	1159	927	1391	Siemens Immulite 2000/2500
	pg/ml	315	252	378	
	pmol/l	837	670	1004	Abbott Architect
	pg/ml	228	182	274	
	pmol/l	1214	971	1457	Beckman Dxl800
	pg/ml	330	264	396	
	pmol/l	948	758	1138	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	258	206	310	
	pmol/l	952	762	1142	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	259	207	311	
	pmol/l	1234	740	1728	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	336	202	470	
	pmol/l	925	740	1110	Roche Cobas 6000/8000 (Estradiol III)
pg/ml	252	201	303		
pmol/l	934	747	1121	Roche Elecsys (Estradiol III)	
pg/ml	254	203	305		
pmol/l	923	738	1108	Roche Cobas 4000/E411 (Estradiol III)	
pg/ml	251	201	301		
pmol/l	1244	996	1493	Siemens Atellica IM	
pg/ml	338	271	406		
pmol/l	785	628	942	Diasorin Liaison	
pg/ml	214	171	256		
pmol/l	881	705	1057	Diasorin Liaison XL	
pg/ml	240	192	288		
Paracetamol	mmol/l	0.319	0.255	0.383	Roche Cobas 6000/8000
	mg/l	48.3	38.6	58.0	
	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.6	42.4	63.5	
Phenobarbital	µmol/l	78.4	62.7	94.1	Abbott Architect
	µg/ml	18.2	14.5	21.9	
	µmol/l	75.9	60.7	91.1	Siemens Immulite 2000/2500
	µg/ml	17.6	14.1	21.1	
	µmol/l	76.7	61.4	92.0	Beckman AU400/600/640/2700/5400
	µg/ml	17.8	14.2	21.4	
	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Phenytoin	µmol/l	66.5	53.2	79.8	Abbott Architect
	µg/ml	16.8	13.4	20.2	
	µmol/l	65.0	52.0	78.0	Roche Cobas 6000/8000
	µg/ml	16.4	13.1	19.7	
	µmol/l	71.3	57.0	85.6	Gravimetric
Primidone	µg/ml	18.0	14.4	21.6	
	µmol/l	22.5	18.0	27.0	Gravimetric
Progesterone	nmol/l	24.9	19.9	29.9	Siemens Immulite 1000
	ng/ml	7.79	6.23	9.35	
	nmol/l	43.2	34.6	51.8	BioMerieux Vidas
	ng/ml	13.5	10.8	16.2	
	nmol/l	38.0	30.4	45.6	Vitros ECI
	ng/ml	11.9	9.52	14.3	
	nmol/l	24.9	17.4	32.4	Siemens Centaur XP/XPT/Classic
	ng/ml	7.79	5.45	10.1	
	nmol/l	24.1	19.3	28.9	Siemens Immulite 2000/2500
	ng/ml	7.54	6.04	9.04	
	nmol/l	26.1	20.9	31.3	Abbott Architect
	ng/ml	8.17	6.54	9.80	
	nmol/l	34.8	27.8	41.8	Beckman Dxl Prog Cal 33555
	ng/ml	10.9	8.70	13.1	
	nmol/l	27.4	21.9	32.9	Diasorin Liaison
	ng/ml	8.58	6.85	10.3	
	nmol/l	33.9	27.1	40.7	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	10.6	8.48	12.7	
	nmol/l	33.9	27.1	40.7	Roche Cobas 6000/8000 (Prog. II)
	ng/ml	10.6	8.48	12.7	
nmol/l	26.7	21.4	32.0	Beckman Dxl Prog DE Cal A80773	
ng/ml	8.36	6.70	10.0		
nmol/l	33.5	26.8	40.2	Roche Cobas 6000/8000 (Prog. III)	
ng/ml	10.5	8.39	12.6		
nmol/l	34.0	27.2	40.8	Roche Cobas 4000/e411 (Prog. III)	
ng/ml	10.6	8.51	12.7		
nmol/l	27.0	21.6	32.3	Siemens Atellica IM	
ng/ml	8.44	6.76	10.1		
nmol/l	26.8	21.4	32.2	Diasorin Liaison XL	
ng/ml	8.39	6.70	10.1		
Prolactin	µU/ml	532	426	638	Beckman Access
	µU/ml	809	647	971	BioMerieux Vidas
	µU/ml	528	422	634	Siemens Immulite 1000
	µU/ml	524	419	629	Vitros ECI
	µU/ml	531	414	648	Siemens Centaur XP/XPT/Classic
	µU/ml	580	464	696	Siemens Immulite 2000/2500
	µU/ml	623	498	748	Abbott Architect

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Prolactin	µU/ml	655	524	786	Diasorin Liaison
	µU/ml	492	394	590	Beckman DxI800
	µU/ml	601	481	721	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	633	506	760	Roche Cobas E411
	µU/ml	596	477	715	Roche Cobas 6000/8000
	µU/ml	612	490	734	Abbott Architect restandardised
	µU/ml	494	396	593	Siemens Atellica IM
	µU/ml	626	501	751	Diasorin Liaison XL
PSA Free	ng/ml = µg/l	8.16	6.12	10.2	Siemens Immulite 2000/2500
	ng/ml = µg/l	10.2	7.65	12.8	Abbott Architect
	ng/ml = µg/l	10.4	7.80	13.0	Beckman Access standardised to Hybritech
	ng/ml = µg/l	8.05	6.04	10.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	5.28	3.96	6.60	Diasorin Liaison
	ng/ml = µg/l	9.52	7.14	11.9	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	7.25	5.44	9.06	Roche Cobas E411
	ng/ml = µg/l	6.97	5.23	8.71	Roche Cobas 6000/8000
	ng/ml = µg/l	8.27	6.20	10.3	Siemens Atellica IM
ng/ml = µg/l	5.43	4.07	6.79	Diasorin Liaison XL	
PSA Total	ng/ml = µg/l	6.02	4.52	7.53	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	12.7	9.53	15.9	Roche Elecsys
	ng/ml = µg/l	14.1	10.6	17.6	Beckman Access standardised to Hybritech
	ng/ml = µg/l	10.7	8.03	13.4	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	11.4	8.55	14.3	bioMerieux VIDAS TPSA
	ng/ml = µg/l	5.75	4.31	7.19	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	9.48	7.11	11.9	Abbott Architect
	ng/ml = µg/l	11.6	8.70	14.5	Vitros ECi
	ng/ml = µg/l	7.23	5.42	9.04	Diasorin Liaison
	ng/ml = µg/l	13.9	10.4	17.4	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	13.9	10.4	17.4	Beckman DxI standardised to Hybritech
	ng/ml = µg/l	11.2	8.40	14.0	Beckman DxI800 standardised to WHO IRP96/670
	ng/ml = µg/l	13.7	10.3	17.1	Roche Cobas E411
	ng/ml = µg/l	13.1	9.83	16.4	Roche Cobas 6000/8000
	ng/ml = µg/l	12.3	9.23	15.4	SNIBE Maglumi Analysers
	ng/ml = µg/l	12.9	9.68	16.1	Ortho Vitros 3600/5600/ECi PSA II
ng/ml = µg/l	10.3	7.73	12.9	Siemens Centaur CP	
ng/ml = µg/l	11.5	8.59	14.3	Siemens Atellica IM	
ng/ml = µg/l	7.05	5.29	8.81	Diasorin Liaison XL	
Salicylate	mmol/l	1.22	0.980	1.46	Gravimetric
	mg/dl	16.8	13.5	20.1	
SHBG	nmol/l	37.7	30.2	45.2	Siemens Centaur XP/XPT/Classic
	nmol/l	34.1	27.3	40.9	Siemens Immulite 2000/2500
	nmol/l	33.5	26.8	40.2	Abbott Architect
	nmol/l	37.4	29.9	44.9	Roche Cobas E411
	nmol/l	36.0	28.8	43.2	Roche Cobas 6000/8000
	nmol/l	32.5	26.0	39.0	Beckman DxI800
T Uptake	%U	36.9	30.3	43.5	Siemens Immulite 2000

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Testosterone	nmol/l	21.1	16.9	25.3	Vitros ECI
	ng/ml	6.08	4.87	7.29	
	ng/dl	608	487	729	
	nmol/l	14.3	10.0	18.6	Siemens Centaur XP/XPT/Classic
	ng/ml	4.12	2.88	5.36	
	ng/dl	412	288	536	
	nmol/l	17.8	14.2	21.4	Siemens Immulite 2000/2500
	ng/ml	5.13	4.09	6.17	
	ng/dl	513	409	617	
	nmol/l	15.6	12.5	18.7	Abbott Architect
	ng/ml	4.49	3.60	5.38	
	ng/dl	449	360	538	
	nmol/l	15.9	12.7	19.1	Beckman Access
	ng/ml	4.58	3.66	5.50	
	ng/dl	458	366	550	
	nmol/l	14.0	11.2	16.8	Beckman Dxl800
	ng/ml	4.03	3.23	4.83	
	ng/dl	403	323	483	
	nmol/l	17.5	14.0	21.0	Roche Elecsys Test II
	ng/ml	5.04	4.03	6.05	
	ng/dl	504	403	605	
	nmol/l	17.5	14.0	21.0	Roche Cobas 4000/e411 Test II
	ng/ml	5.04	4.03	6.05	
	ng/dl	504	403	605	
nmol/l	17.5	14.0	21.0	Roche Cobas 6000 Test 2	
ng/ml	5.04	4.03	6.05		
ng/dl	504	403	605		
nmol/l	16.1	12.9	19.3	Abbott Architect 2nd Generation	
ng/ml	4.64	3.72	5.56		
ng/dl	464	372	556		
nmol/l	12.6	10.1	15.1	BioMerieux Vidas Testosterone II	
ng/ml	3.63	2.91	4.35		
ng/dl	363	291	435		
nmol/l	15.7	11.0	20.4	Siemens Centaur TST II	
ng/ml	4.52	3.16	5.88		
ng/dl	452	316	588		
nmol/l	15.2	12.1	18.2	Siemens Atellica IM	
ng/ml	4.37	3.48	5.24		
ng/dl	437	348	524		
nmol/l	9.77	7.82	11.7	Diasorin Liaison	
ng/ml	2.81	2.25	3.37		
ng/dl	281	225	337		
nmol/l	7.96	6.37	9.55	Diasorin Liaison XL	
ng/ml	2.29	1.83	2.75		
ng/dl	229	183	275		
Theophylline	µmol/l	83.8	67.0	101	Gravimetric
	µg/ml	15.1	12.1	18.2	

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Thyroglobulin	ng/ml	16.9	12.7	21.1	Siemens Immulite 2000
	ng/ml	34.0	25.5	42.5	Roche Cobas 6000/8000
	ng/ml	33.6	25.2	42.0	Roche Cobas 6000 TGII
	ng/ml	32.5	24.4	40.6	Roche Cobas 4000/E411 TGII
	ng/ml	10.4	7.80	13.0	Diasorin Liaison
	ng/ml	12.4	9.30	15.5	Diasorin Liaison XL
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.57	2.06	3.08	bioMerieux VIDAS TSH
	µU/ml = mIU/l	2.54	2.03	3.05	Siemens Immulite 1000
	µU/ml = mIU/l	2.77	2.22	3.32	Roche Elecsys
	µU/ml = mIU/l	2.46	1.97	2.95	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	3.14	2.51	3.77	Vitros ECI
	µU/ml = mIU/l	2.72	1.85	3.59	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	2.74	2.19	3.29	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.32	1.86	2.78	Abbott Architect
	µU/ml = mIU/l	3.19	2.55	3.83	Diasorin Liaison
	µU/ml = mIU/l	2.35	1.88	2.82	Beckman Access Fast TSH
	µU/ml = mIU/l	2.75	2.20	3.30	Roche Cobas E411
	µU/ml = mIU/l	2.81	2.25	3.37	Roche Cobas 6000/8000
	µU/ml = mIU/l	2.46	1.97	2.95	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.85	2.28	3.42	SNIBE Maglumi Analysers
	µU/ml = mIU/l	2.58	1.75	3.41	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	2.43	1.94	2.92	Beckman Dxl 600/800 Access (3rd IS)
Tobramycin	µmol/l	7.16	5.73	8.59	Gravimetric
	µg/ml	3.35	2.68	4.02	
Total Beta hCG	mU/ml=IU/l	33.1	26.5	39.7	BioMerieux Vidas
	IU/ml	0.033	0.027	0.039	
	mU/ml=IU/l	43.7	35.0	52.4	Siemens Immulite 1000
	IU/ml	0.044	0.035	0.053	
	mU/ml=IU/l	24.8	19.8	29.8	Beckman Access
	IU/ml	0.025	0.020	0.030	
	mU/ml=IU/l	38.6	30.9	46.3	Vitros ECI
	IU/ml	0.039	0.031	0.047	
	mU/ml=IU/l	25.4	15.2	35.6	Siemens Centaur XP/XPT/Classic
	IU/ml	0.025	0.015	0.036	
	mU/ml=IU/l	49.4	39.5	59.3	Siemens Immulite 2000
	IU/ml	0.049	0.040	0.058	
	mU/ml=IU/l	22.3	17.8	26.8	Abbott Architect
	IU/ml	0.022	0.018	0.026	
	mU/ml=IU/l	38.3	30.6	46.0	Siemens Dimension
	IU/ml	0.038	0.031	0.045	
mU/ml=IU/l	24.4	19.5	29.3	Beckman Dxl800	
IU/ml	0.024	0.020	0.028		
mU/ml=IU/l	20.2	16.2	24.2	Roche STAT (Intact)	
IU/ml	0.020	0.016	0.024		

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods	
			low	high		
Total Beta hCG	mU/ml=IU/l	25.0	20.0	30.0	Roche hCG+Beta	
	IU/ml	0.025	0.020	0.030		
	mU/ml=IU/l	26.7	21.4	32.0	SNIBE Maglumi Analysers	
	IU/ml	0.027	0.021	0.033		
	mU/ml=IU/l	23.4	18.7	28.1	Radiometer AQT90 Flex	
	IU/ml	0.023	0.019	0.027		
	mU/ml=IU/l	24.7	19.8	29.6	Beckman Access Total BhCG (5th IS)	
	IU/ml	0.025	0.020	0.030		
	mU/ml=IU/l	24.9	19.9	29.9	Beckman DxI Total BhCG (5th IS)	
	IU/ml	0.025	0.020	0.030		
	mU/ml=IU/l	26.2	21.0	31.5	Siemens Atellica IM	
	IU/ml	0.026	0.021	0.031		
Total T3	mU/ml=IU/l	24.0	19.2	28.8	Diasorin Liaison	
	IU/ml	0.020	0.020	0.030		
	mU/ml=IU/l	22.6	18.1	27.1	Diasorin Liaison XL	
	IU/ml	0.020	0.020	0.030		
	Total T3	nmol/l	3.79	2.84	4.74	BioMerieux Vidas
		ng/ml	2.47	1.85	3.09	
		ng/dl	247	185	309	
	Total T3	nmol/l	3.51	2.63	4.39	Siemens Immulite 1000
		ng/ml	2.29	1.71	2.87	
		ng/dl	229	171	287	
	Total T3	nmol/l	3.19	2.39	3.99	Beckman Access
		ng/ml	2.08	1.56	2.60	
		ng/dl	208	156	260	
	Total T3	nmol/l	4.10	3.08	5.12	Siemens Centaur XP/XPT/Classic
		ng/ml	2.67	2.00	3.34	
		ng/dl	267	200	334	
	Total T3	nmol/l	3.26	2.45	4.08	Siemens Immulite 2000/2500
		ng/ml	2.12	1.59	2.65	
		ng/dl	212	159	265	
	Total T3	nmol/l	3.20	2.40	4.00	Abbott Architect
		ng/ml	2.08	1.56	2.60	
		ng/dl	208	156	260	
	Total T3	nmol/l	4.28	3.21	5.35	Vitros ECi
		ng/ml	2.79	2.09	3.49	
ng/dl		279	209	349		
Total T3	nmol/l	2.86	2.15	3.58	Diasorin Liaison	
	ng/ml	1.86	1.40	2.32		
	ng/dl	186	140	232		
Total T3	nmol/l	3.32	2.49	4.15	Beckman DxI800	
	ng/ml	2.16	1.62	2.70		
	ng/dl	216	162	270		
Total T3	nmol/l	4.12	3.09	5.15	Roche Cobas E411	
	ng/ml	2.68	2.01	3.35		
	ng/dl	268	201	335		

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods	
			low	high		
Total T3	nmol/l	3.88	2.91	4.85	Roche Cobas 6000/8000	
	ng/ml	2.53	1.89	3.17		
	ng/dl	253	189	317		
	nmol/l	4.34	3.26	5.43	Siemens Atellica IM	
		ng/ml	2.83	2.12		3.53
		ng/dl	283	212		353
	nmol/l	2.48	1.86	3.10	Diasorin Liaison XL	
		ng/ml	1.61	1.21		2.02
		ng/dl	161	121		202
Total T4	nmol/l	135	101	169	Vitros ECI	
	µg/dl	10.5	7.88	13.1		
	ng/ml	105	78.8	131		
	nmol/l	155	116	194	BioMerieux Vidas	
		µg/dl	12.1	9.05		15.2
		ng/ml	121	90.5		152
	nmol/l	139	104	174	Beckman Access	
		µg/dl	10.8	8.11		13.5
		ng/ml	108	81.1		135
	nmol/l	136	88.4	184	Siemens Centaur XP/XPT/Classic	
		µg/dl	10.6	6.89		14.3
		ng/ml	106	68.9		143
	nmol/l	140	105	175	Siemens Immulite 2000/2500	
		µg/dl	10.9	8.19		13.6
		ng/ml	109	81.9		136
	nmol/l	132	99.0	165	Abbott Architect	
		µg/dl	10.3	7.72		12.9
		ng/ml	103	77.2		129
	nmol/l	107	80.3	134	Diasorin Liaison	
		µg/dl	8.35	6.26		10.4
		ng/ml	83.5	62.6		104
nmol/l	128	96.0	160	Roche Cobas E411		
	µg/dl	9.98	7.49		12.5	
	ng/ml	100	74.9		125	
nmol/l	125	93.8	156	Roche Cobas 6000/8000		
	µg/dl	9.75	7.32		12.2	
	ng/ml	97.5	73.2		122	
Valproic Acid	µmol/l	548	438	658	Siemens Centaur XP/XPT/Classic	
	µg/ml	79.1	63.2	95.0		
	µmol/l	503	402	604	Abbott Architect	
		µg/ml	72.6	58.0		87.2
	µmol/l	524	419	629	Roche Cobas 6000/8000	
		µg/ml	75.6	60.5		90.7
µmol/l	638	510	765	Gravimetric		
	µg/ml	92.0	73.6		110	
Vancomycin	µmol/l	7.42	5.94	8.90	Abbott Architect	
	µg/ml	11.0	8.83	13.2		

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639 / IA2633 Lot No. 1977EC Size: 12 x 5ml / 4 x 5ml Expiry: 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Vancomycin	µmol/l	6.89	5.51	8.27	Roche Cobas 6000/8000
	µg/ml	10.2	8.19	12.2	
	µmol/l	7.10	5.68	8.52	Gravimetric
	µg/ml	10.5	8.44	12.7	
Vitamin B12	pmol/l	421	337	505	Beckman Access
	pg/ml	570	457	683	
	pmol/l	499	374	624	Siemens Centaur XP/XPT/Classic
	pg/ml	676	507	845	
	pmol/l	449	359	539	Siemens Immulite 2000
	pg/ml	608	486	730	
	pmol/l	443	354	532	Abbott Architect
	pg/ml	600	480	720	
	pmol/l	449	359	539	Vitros ECI
	pg/ml	608	486	730	
	pmol/l	395	316	474	Beckman DxI800
	pg/ml	535	428	642	
	pmol/l	489	391	587	Roche Cobas E411
	pg/ml	663	530	796	
	pmol/l	487	390	584	Roche Cobas 6000/8000
	pg/ml	660	528	792	
pmol/l	519	415	623	Siemens Atellica IM	
pg/ml	704	562	844		

**ADDITIONAL VALUES FOR
IMMUNOASSAY PREMIUM - LEVEL 2
(IA PREMIUM 2)**

**Cat No. IA2639 / IA2633
Lot No. I977EC**

COMPONENT	UNITS	TARGET	RANGE	METHOD
Total T4	nmol/l	101	75.8 - 126	Diasorin Liaison XL
	µg/dl	7.88	5.91 - 9.85	
	ng/ml	78.8	59.1 - 98.5	

(S) 30 Jul '19 ne

**ADDITIONAL VALUES FOR
IMMUNOASSAY PREMIUM – LEVEL 2
(IA PREMIUM 2)
Cat No. IA2639 / IA2633
Lot No. I977EC**

COMPONENT	UNITS	TARGET	RANGE	METHOD
25-OH Vitamin D	nmol/l	50.2	37.7 – 62.7	TOSOH Series
Ferritin	ng/ml=µg/l	67.1	53.7 – 80.5	TOSOH Series
Free T3	pmol/l	17.4	13.1 – 21.7	TOSOH Series
	ng/dl	1.13	0.848 – 1.41	
	pg/ml	11.3	8.48 - 14.1	
Free T4	pmol/l	24.2	18.2 – 30.2	TOSOH Series
	ng/dl	1.89	1.42 – 2.36	
	pg/ml	18.9	14.2 – 23.6	
FSH	mU/ml	27.7	22.2 – 33.2	TOSOH Series
Immunoglobulin E	KIU/l=IU/ml	104	83.2 - 125	TOSOH Series
Insulin	mU/l	18.5	13.9 – 23.1	TOSOH Series
	µU/ml	18.5	13.9 – 23.1	
Lutenising Hormone (LH)	mU/ml	31.7	25.4 – 38.0	TOSOH Series
Oestradiol	pmol/l	989	791 – 1187	TOSOH Series
	pg/ml	269	215 - 323	

COMPONENT	UNITS	TARGET	RANGE	METHOD
Prolactin	μU/ml	638	510 - 766	TOSOH Series
PSA Free	ng/ml=μg/l	6.29	4.72 – 7.86	TOSOH Series
PSA Total	ng/ml=μg/l	8.21	6.16 – 10.3	TOSOH Series
Thyroid Stimulating Hormone	μU/ml=mIU/l	2.85	2.28 – 3.42	TOSOH Series
Total Beta hCG	mU/ml=IU/l IU/ml	35.7 0.036	28.6 – 42.8 0.029 – 0.043	TOSOH Series
Total T3	nmol/l ng/ml ng/dl	3.59 2.34 234	2.69 – 4.49 1.76 – 2.92 176 – 292	TOSOH Series
Total T4	nmol/l μg/ml ng/dl	134 10.5 105	101 - 167 7.88 – 13.1 78.8 - 131	TOSOH Series
Vitamin B12	pmol/l pg/ml	568 770	454 - 682 616 - 924	TOSOH Series

29 Nov 19 pq