

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. 1947EC	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. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods	
			low	high		
17-OH-Progesterone	nmol/l	9.32	6.99	11.7	Immunotech RIA	
	ng/ml	3.08	2.31	3.85		
	nmol/l	13.0	9.75	16.3	DRG ELISA	
	ng/ml	4.30	3.23	5.37		
	nmol/l	12.3	9.23	15.4	DIAsource RIA	
	ng/ml	4.07	3.06	5.08		
	nmol/l	15.8	11.9	19.8	IBL ELISA	
	ng/ml	5.23	3.94	6.52		
	25-OH Vitamin D	nmol/l	63.6	47.7	79.5	Diasorin Liaison
		nmol/l	74.1	55.6	92.6	Siemens Centaur XP/XPT/Classic
nmol/l		49.0	36.8	61.3	Roche Vitamin D Total	
nmol/l		51.6	38.7	64.5	Abbott Architect	
nmol/l		74.1	55.6	92.6	Vitros ECi	
nmol/l		52.8	39.6	66.0	Tosoh Series	
nmol/l		54.1	40.6	67.6	BioMerieux Vidas	
nmol/l		48.3	36.2	60.4	Beckman Dxl 600/800	
nmol/l		52.5	39.4	65.6	Fujirebio Lumipulse G Series	
nmol/l		50.9	38.2	63.6	Beckman Access 25 OH Vitamin D Total	
nmol/l		51.3	38.5	64.1	Abbott Architect (5P02)/ Alinity (8P45)	
nmol/l		62.7	47.0	78.4	Diasorin Liaison XL	
nmol/l		56.3	42.2	70.4	Roche Vitamin D Total II	
nmol/l		69.9	52.4	87.4	Siemens Atellica IM	
ACTH		pmol/l	19.1	14.3	23.9	Siemens Immulite 2000/2500
	pg/ml	86.8	65.0	109		
	pmol/l	19.2	14.4	24.0	Roche Cobas E411	
	pg/ml	87.3	65.4	109		
	pmol/l	18.5	13.9	23.1	Roche Cobas 6000/8000	
	pg/ml	84.1	63.2	105		
	pmol/l	31.8	23.9	39.8	CIS IRMA	
	pg/ml	145	109	181		
	pmol/l	19.4	14.6	24.3	Siemens Immulite 1000	
	pg/ml	88.2	66.4	110		
pmol/l	28.8	21.6	36.0	Diasorin Liaison XL		
pg/ml	131	98.2	164			
Aldosterone	pmol/l	451	338	564	DRG ELISA	
	pg/ml	163	122	204		
	pmol/l	36.5	27.4	45.6	CIS RIA	
	pg/ml	13.2	9.89	16.5		
	pmol/l	289	217	361	Diasorin Liaison	
	pg/ml	104	78.3	130		
	pmol/l	298	224	373	Diasorin Liaison XL	
	pg/ml	108	80.8	135		



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Beta-2-microglobulin	µg/ml = mg/l	2.79	2.23	3.35	Siemens Immulite 1000
	µg/ml = mg/l	2.36	1.89	2.83	Diasorin Liaison
	µg/ml = mg/l	2.76	2.21	3.31	Tosoh Series
	µg/ml = mg/l	2.86	2.29	3.43	Roche Cobas 6000/8000
	µg/ml = mg/l	2.18	1.74	2.62	Fujirebio Lumipulse G Series
C-Peptide	nmol/l	2.110	1.580	2.640	Siemens Immulite 2000/2500
	ng/ml	6.37	4.77	7.97	
	nmol/l	2.080	1.560	2.600	Roche Elecsys
	ng/ml	6.28	4.71	7.85	
	nmol/l	2.180	1.640	2.730	Roche Cobas 6000/8000
	ng/ml	6.58	4.95	8.21	
	nmol/l	2.050	1.540	2.560	Siemens Immulite 1000
	ng/ml	6.19	4.65	7.73	
	nmol/l	2.130	1.600	2.660	Diasorin Liaison
	ng/ml	6.43	4.83	8.03	
	nmol/l	2.200	1.650	2.750	Roche Cobas E411
	ng/ml	6.64	4.98	8.30	
	nmol/l	1.960	1.470	2.450	Abbott Architect
	ng/ml	5.92	4.44	7.40	
	nmol/l	1.560	1.170	1.950	Siemens Centaur XP/XPT/Classic
	ng/ml	4.71	3.53	5.89	
nmol/l	1.930	1.450	2.410	Tosoh Series	
ng/ml	5.83	4.38	7.28		
nmol/l	2.270	1.700	2.840	Diasorin Liaison XL	
ng/ml	6.85	5.13	8.57		
nmol/l	1.530	1.150	1.910	Siemens Atellica IM	
ng/ml	4.62	3.47	5.77		
Carbamazepine	µmol/l	37.6	30.1	45.1	Abbott Architect
	µg/ml	8.89	7.12	10.7	
	µmol/l	40.8	28.6	53.0	Siemens Centaur XP/XPT/Classic
	µg/ml	9.65	6.76	12.5	
	µmol/l	36.0	28.8	43.2	Siemens Dimension
	µg/ml	8.51	6.81	10.2	
	µmol/l	33.8	27.0	40.6	Siemens Immulite 2000/2500
	µg/ml	7.99	6.38	9.60	
	µmol/l	34.5	27.6	41.4	Siemens Immulite 1000
	µg/ml	8.16	6.52	9.80	
	µmol/l	38.9	31.1	46.7	Roche Integra
	µg/ml	9.20	7.35	11.1	
	µmol/l	36.5	29.2	43.8	Vitros
	µg/ml	8.63	6.90	10.4	
	µmol/l	36.2	29.0	43.4	Roche Cobas E411
µg/ml	8.56	6.86	10.3		
µmol/l	38.1	30.5	45.7	Roche Cobas 6000/8000	
µg/ml	9.01	7.21	10.8		
µmol/l	36.7	29.4	44.0	Beckman DxC	
µg/ml	8.68	6.95	10.4		

RANDOX

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Range					
Analyte	unit	Target	low	high	methods
Carbamazepine	µmol/l	40.7	32.6	48.8	Beckman AU400/600/640/2700/5400
	µg/ml	9.62	7.71	11.5	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	26.1	20.9	31.3	Abbott Architect
	ng/ml = µg/l	24.5	19.6	29.4	BioMerieux Vidas
	ng/ml = µg/l	25.9	17.6	34.2	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	18.1	14.5	21.7	CIS RIA Coated tube
	ng/ml = µg/l	32.3	25.8	38.8	Siemens Immulite 2000/2500
	ng/ml = µg/l	30.9	24.7	37.1	Siemens Immulite 1000
	ng/ml = µg/l	23.3	18.6	28.0	Beckman Dxl800
	ng/ml = µg/l	22.8	18.2	27.4	Roche Elecsys
	ng/ml = µg/l	21.7	17.4	26.0	Diasorin Liaison
	ng/ml = µg/l	24.9	19.9	29.9	Beckman Access
	ng/ml = µg/l	28.5	22.8	34.2	Tosoh Series
	ng/ml = µg/l	25.8	20.6	31.0	Vitros ECI
	ng/ml = µg/l	22.1	17.7	26.5	Roche Cobas 6000/8000
	ng/ml = µg/l	22.4	17.9	26.9	Roche Cobas E411
	ng/ml = µg/l	29.1	23.3	34.9	Fujirebio Lumipulse G Series
ng/ml = µg/l	25.8	17.5	34.1	Siemens Centaur CP	
ng/ml = µg/l	18.9	15.1	22.7	Mindray CL-2000i	
ng/ml = µg/l	23.9	19.1	28.7	Diasorin Liaison XL	
Cortisol	nmol/l	526	395	658	Abbott Architect
	µg/dl	18.9	14.2	23.6	
	nmol/l	520	390	650	BioMerieux Vidas
	µg/dl	18.7	14.0	23.4	
	nmol/l	669	462	876	Siemens Centaur XP/XPT/Classic
	µg/dl	24.1	16.6	31.6	
	nmol/l	490	368	613	CIS RIA
	µg/dl	17.6	13.2	22.0	
	nmol/l	588	441	735	Siemens Immulite 2000/2500
	µg/dl	21.2	15.9	26.5	
	nmol/l	605	454	756	Siemens Immulite 1000
	µg/dl	21.8	16.3	27.3	
	nmol/l	558	419	698	Beckman Dxl800
	µg/dl	20.1	15.1	25.1	
	nmol/l	632	474	790	Roche Elecsys
	µg/dl	22.8	17.1	28.5	
nmol/l	554	416	693	Diasorin Liaison	
µg/dl	19.9	15.0	24.8		
nmol/l	607	455	759	Beckman Access	
µg/dl	21.9	16.4	27.4		
nmol/l	656	492	820	Tosoh Series	
µg/dl	23.6	17.7	29.5		
nmol/l	553	415	691	Vitros ECI	
µg/dl	19.9	14.9	24.9		
nmol/l	617	463	771	Roche Cobas 6000/8000	
µg/dl	22.2	16.7	27.7		



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Analyte	unit	Target	Range		methods	
			low	high		
Cortisol	nmol/l	671	503	839	Roche Cobas E411	
	µg/dl	24.2	18.1	30.3		
	nmol/l	666	460	872	Siemens Centaur CP	
	µg/dl	24.0	16.6	31.4		
	nmol/l	653	490	816	Roche Cobas 4000/e411 Gen II	
	µg/dl	23.5	17.6	29.4		
	nmol/l	603	452	754	Roche Cobas 6000/8000 Gen II	
	µg/dl	21.7	16.3	27.1		
	nmol/l	635	476	794	Roche Elecsys Gen II	
	µg/dl	22.9	17.1	28.7		
	DHEA-S	µmol/l	13.9	11.1	16.7	Abbott Architect
		µmol/l	11.6	9.28	13.9	Siemens Immulite 2000/2500
µmol/l		11.6	9.28	13.9	Siemens Immulite 1000	
µmol/l		11.5	9.20	13.8	Beckman DxI800	
µmol/l		17.3	13.8	20.8	Roche Elecsys	
µmol/l		12.2	9.76	14.6	Beckman Access	
µmol/l		10.2	8.16	12.2	Diasorin Liaison	
µmol/l		11.5	7.48	15.5	Siemens Centaur XP/XPT/Classic	
µmol/l		16.9	13.5	20.3	Roche Cobas E411	
µmol/l		16.8	13.4	20.2	Roche Cobas 6000/8000	
µmol/l		15.5	12.4	18.6	Immunotech RIA	
Digoxin	µmol/l	11.1	8.88	13.3	Diasorin Liaison XL	
	nmol/l	2.49	1.99	2.99	Abbott Architect	
	ng/ml	1.94	1.55	2.33		
	nmol/l	2.85	2.28	3.42	BioMerieux Vidas	
	ng/ml	2.23	1.78	2.68		
	nmol/l	3.23	2.49	3.97	Siemens Centaur XP/XPT/Classic	
	ng/ml	2.52	1.94	3.10		
	nmol/l	3.03	2.42	3.64	Siemens Dimension	
	ng/ml	2.37	1.89	2.85		
	nmol/l	3.13	2.50	3.76	Siemens Immulite 2000/2500	
	ng/ml	2.44	1.95	2.93		
	nmol/l	3.03	2.42	3.64	Beckman DxI800	
	ng/ml	2.37	1.89	2.85		
	nmol/l	3.00	2.40	3.60	Roche Integra	
	ng/ml	2.34	1.87	2.81		
	nmol/l	3.00	2.40	3.60	Beckman Access	
	ng/ml	2.34	1.87	2.81		
	nmol/l	2.88	2.30	3.46	Vitros	
	ng/ml	2.25	1.80	2.70		
nmol/l	2.99	2.39	3.59	Roche Cobas 6000/8000		
ng/ml	2.34	1.87	2.81			
nmol/l	3.16	2.53	3.79	Beckman AU400/600/640/2700/5400		
ng/ml	2.47	1.98	2.96			
nmol/l	3.18	2.54	3.82	Roche Cobas 4000/E411		
ng/ml	2.48	1.98	2.98			



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Ferritin	ng/ml = µg/l	103	82.4	124	Abbott Architect
	ng/ml = µg/l	74.2	59.4	89.0	BioMerieux Vidas
	ng/ml = µg/l	87.1	65.3	109	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	92.8	74.2	111	Siemens Dimension
	ng/ml = µg/l	85.4	68.3	102	Siemens Immulite 2000/2500
	ng/ml = µg/l	74.8	59.8	89.8	Siemens Immulite 1000
	ng/ml = µg/l	67.0	53.6	80.4	Beckman Dxl800
	ng/ml = µg/l	101	80.8	121	Roche Elecsys
	ng/ml = µg/l	90.2	72.2	108	Diasorin Liaison
	ng/ml = µg/l	100	80.0	120	Roche Modular E170
	ng/ml = µg/l	69.1	55.3	82.9	Beckman Access
	ng/ml = µg/l	64.3	51.4	77.2	Tosoh Series
	ng/ml = µg/l	61.8	49.4	74.2	Vitros Eci
	ng/ml = µg/l	80.2	64.2	96.2	Immunotech IRMA
	ng/ml = µg/l	104	83.2	125	Roche Cobas E411
	ng/ml = µg/l	79.4	63.5	95.3	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	56.6	45.3	67.9	Fujirebio Lumipulse G Series
ng/ml = µg/l	84.9	63.7	106	Siemens Centaur CP	
ng/ml = µg/l	97.1	77.7	117	Diasorin Liaison XL	
Folate	nmol/l	7.15	5.43	8.87	Abbott Architect
	ng/ml	3.15	2.39	3.91	
	nmol/l	11.9	7.74	16.1	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	5.25	3.41	7.09	
	nmol/l	6.30	4.79	7.81	Siemens Immulite 2000
	ng/ml	2.78	2.11	3.45	
	nmol/l	9.75	7.41	12.1	Beckman Dxl800
	ng/ml	4.30	3.27	5.33	
	nmol/l	9.37	7.12	11.6	Beckman Access
	ng/ml	4.13	3.14	5.12	
	nmol/l	15.3	11.6	19.0	Tosoh Series
	ng/ml	6.75	5.12	8.38	
	nmol/l	6.26	4.76	7.76	Vitros Eci
	ng/ml	2.76	2.10	3.42	
nmol/l	7.83	5.95	9.71	MP Biomedicals RIA	
ng/ml	3.45	2.62	4.28		
nmol/l	6.26	4.76	7.76	Siemens Dimension	
ng/ml	2.76	2.10	3.42		
Free T3	pmol/l	11.8	8.85	14.8	Abbott Architect
	ng/dl	0.767	0.575	0.959	
	pg/ml	7.68	5.76	9.60	
	pmol/l	12.7	9.53	15.9	BioMerieux Vidas
	ng/dl	0.826	0.619	1.03	
	pg/ml	8.27	6.20	10.3	
	pmol/l	12.9	7.74	18.1	Siemens Centaur XP/XPT/Classic
	ng/dl	0.839	0.503	1.18	
pg/ml	8.40	5.04	11.8		



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Analyte	unit	Target	Range		methods
			low	high	
Free T3	pmol/l	10.0	7.50	12.5	Siemens Immulite 2000/2500
	ng/dl	0.650	0.488	0.812	
	pg/ml	6.51	4.88	8.14	
	pmol/l	9.52	7.14	11.9	Siemens Immulite 1000
	ng/dl	0.619	0.464	0.774	
	pg/ml	6.20	4.65	7.75	
	pmol/l	9.47	7.10	11.8	Beckman Dxl800
	ng/dl	0.616	0.462	0.770	
	pg/ml	6.16	4.62	7.70	
	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	16.6	12.5	20.8	Diasorin Liaison
	ng/dl	1.08	0.813	1.35	
	pg/ml	10.8	8.14	13.5	
	pmol/l	10.8	8.10	13.5	Beckman Access
	ng/dl	0.702	0.527	0.877	
	pg/ml	7.03	5.27	8.79	
	pmol/l	16.2	12.2	20.3	Tosoh Series
	ng/dl	1.05	0.793	1.31	
	pg/ml	10.5	7.94	13.1	
pmol/l	29.2	21.9	36.5	Vitros ECi	
ng/dl	1.90	1.42	2.38		
pg/ml	19.0	14.3	23.7		
pmol/l	15.2	11.4	19.0	Roche Cobas E411	
ng/dl	0.988	0.741	1.24		
pg/ml	9.90	7.42	12.4		
pmol/l	15.6	11.7	19.5	Roche Cobas 6000/8000	
ng/dl	1.01	0.761	1.26		
pg/ml	10.2	7.62	12.8		
pmol/l	12.5	7.50	17.5	Siemens Centaur CP	
ng/dl	0.813	0.488	1.14		
pg/ml	8.14	4.88	11.4		
pmol/l	12.8	9.60	16.0	Mindray CL-2000i	
ng/dl	0.832	0.624	1.04		
pg/ml	8.33	6.25	10.4		
pmol/l	16.9	12.7	21.1	Diasorin Liaison XL	
ng/dl	1.10	0.826	1.37		
pg/ml	11.0	8.27	13.7		
Free T4	pmol/l	20.4	15.3	25.5	Abbott Architect
	ng/dl	1.59	1.19	1.99	
	pg/ml	15.9	11.9	19.9	
	pmol/l	21.2	15.9	26.5	Siemens Centaur XP/XPT/Classic
	ng/dl	1.65	1.24	2.06	
pg/ml	16.5	12.4	20.6		



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Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	29.6	22.2	37.0	CIS RIA Coated tube
	ng/dl	2.31	1.73	2.89	
	pg/ml	23.1	17.3	28.9	
	pmol/l	29.0	21.8	36.3	Siemens Immulite 2000/2500
	ng/dl	2.26	1.70	2.82	
	pg/ml	22.6	17.0	28.2	
	pmol/l	29.8	22.4	37.3	Siemens Immulite 1000
	ng/dl	2.32	1.75	2.89	
	pg/ml	23.2	17.5	28.9	
	pmol/l	21.8	16.4	27.3	Beckman Dxl800
	ng/dl	1.70	1.28	2.12	
	pg/ml	17.0	12.8	21.2	
	pmol/l	27.4	20.6	34.3	Roche Elecsys
	ng/dl	2.14	1.61	2.67	
	pg/ml	21.4	16.1	26.7	
	pmol/l	31.8	23.9	39.8	Diasorin Liaison
	ng/dl	2.48	1.86	3.10	
	pg/ml	24.8	18.6	31.0	
	pmol/l	22.5	16.9	28.1	Beckman Access
	ng/dl	1.76	1.32	2.20	
	pg/ml	17.6	13.2	22.0	
	pmol/l	27.7	20.8	34.6	Tosoh Series
	ng/dl	2.16	1.62	2.70	
	pg/ml	21.6	16.2	27.0	
	pmol/l	56.6	42.5	70.8	Vitros ECi
	ng/dl	4.41	3.32	5.50	
	pg/ml	44.1	33.2	55.0	
	pmol/l	27.2	20.4	34.0	Roche Cobas 6000/8000
	ng/dl	2.12	1.59	2.65	
	pg/ml	21.2	15.9	26.5	
pmol/l	22.5	16.9	28.1	Immunotech IRMA	
ng/dl	1.76	1.32	2.20		
pg/ml	17.6	13.2	22.0		
pmol/l	27.4	20.6	34.3	Roche Cobas E411	
ng/dl	2.14	1.61	2.67		
pg/ml	21.4	16.1	26.7		
pmol/l	29.3	22.0	36.6	Biomerieux Vidas FT4N Kit	
ng/dl	2.29	1.72	2.86		
pg/ml	22.9	17.2	28.6		
pmol/l	21.8	16.4	27.3	Siemens Centaur CP	
ng/dl	1.70	1.28	2.12		
pg/ml	17.0	12.8	21.2		
pmol/l	21.9	16.4	27.4	Mindray CL-2000i	
ng/dl	1.71	1.28	2.14		
pg/ml	17.1	12.8	21.4		
pmol/l	33.5	25.1	41.9	Diasorin Liaison XL	
ng/dl	2.61	1.96	3.26		
pg/ml	26.1	19.6	32.6		



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Range					
Analyte	unit	Target	low	high	methods
Immunoglobulin E	KIU/l = IU/ml	127	102	152	Roche Cobas E411
	KIU/l = IU/ml	125	100	150	Roche Cobas 6000/8000
	KIU/l = IU/ml	101	80.8	121	Fujirebio Lumipulse G Series
	KIU/l = IU/ml	100	60.0	140	Siemens Centaur CP
Insulin	mU/l	19.7	14.8	24.6	Siemens Centaur XP/XPT/Classic
	µU/ml	19.7	14.8	24.6	
	mU/l	18.7	14.0	23.4	Roche Elecsys
	µU/ml	18.7	14.0	23.4	
	mU/l	16.0	12.0	20.0	Beckman Access
	µU/ml	16.0	12.0	20.0	
	mU/l	16.7	12.5	20.9	Abbott Architect
	µU/ml	16.7	12.5	20.9	
	mU/l	19.9	14.9	24.9	Tosoh Series
	µU/ml	19.9	14.9	24.9	
	mU/l	18.9	14.2	23.6	Roche Cobas E411
	µU/ml	18.9	14.2	23.6	
	mU/l	15.2	11.4	19.0	Beckman Dxl 600/800
	µU/ml	15.2	11.4	19.0	
	mU/l	21.1	15.8	26.4	Diasorin Liaison
	µU/ml	21.1	15.8	26.4	
	mU/l	19.0	14.3	23.8	Roche Cobas 6000/8000
	µU/ml	19.0	14.3	23.7	
	mU/l	18.5	13.9	23.1	Fujirebio Lumipulse G Series
	µU/ml	18.5	13.9	23.1	
mU/l	19.3	14.5	24.1	Siemens Centaur CP	
µU/ml	19.3	14.5	24.1		
mU/l	19.3	14.5	24.1	Siemens Atellica IM	
µU/ml	19.3	14.5	24.1		
Luteinising Hormone (LH)	mU/ml	26.3	21.0	31.6	Abbott Architect
	mU/ml	30.7	24.6	36.8	BioMerieux Vidas
	mU/ml	31.5	24.3	38.7	Siemens Centaur XP/XPT/Classic
	mU/ml	46.7	37.4	56.0	Siemens Immulite 2000
	mU/ml	44.1	35.3	52.9	Siemens Immulite 1000
	mU/ml	24.9	19.9	29.9	Beckman Dxl800
	mU/ml	34.6	27.7	41.5	Roche Elecsys
	mU/ml	38.2	30.6	45.8	Diasorin Liaison
	mU/ml	25.7	20.6	30.8	Beckman Access
	mU/ml	28.8	23.0	34.6	Tosoh Series
	mU/ml	44.8	35.8	53.8	Vitros ECi
	mU/ml	34.8	27.8	41.8	Roche Cobas E411
	mU/ml	34.6	27.7	41.5	Roche Cobas 6000/8000
	mU/ml	30.3	24.2	36.4	Fujirebio Lumipulse G Series
	mU/ml	32.5	25.0	40.0	Siemens Centaur CP
	mU/ml	35.4	28.3	42.5	Mindray CL-2000i
	mU/ml	40.7	32.6	48.8	Diasorin Liaison XL
Oestradiol	pmol/l	917	734	1100	Abbott Architect
	pg/ml	249	200	298	



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Range

Analyte	unit	Target	low	high	methods	
Phenobarbital	µmol/l	80.2	64.2	96.2	Abbott Architect	
	µg/ml	18.6	14.9	22.3		
	µmol/l	79.4	63.5	95.3	Roche Cobas 6000/8000	
	µg/ml	18.4	14.7	22.1		
	µmol/l	78.8	63.0	94.6	Siemens Immulite 2000/2500	
	µg/ml	18.3	14.6	22.0		
	µmol/l	76.9	61.5	92.3	Beckman AU400/600/640/2700/5400	
	µg/ml	17.8	14.3	21.3		
	µmol/l	103	74.2	132	Siemens Centaur XP/XPT/Classic	
	µg/ml	23.9	17.2	30.6		
	µmol/l	77.1	61.7	92.5	Roche Integra	
	µg/ml	17.9	14.3	21.5		
Phenytoin	µmol/l	77.5	62.0	93.0	Siemens Immulite 1000	
	µg/ml	18.0	14.4	21.6		
	µmol/l	80.4	64.3	96.5	Beckman DxC	
	µg/ml	18.7	14.9	22.5		
	Phenytoin	µmol/l	67.6	54.1	81.1	Abbott Architect
		µg/ml	17.1	13.7	20.5	
		µmol/l	77.4	60.4	94.4	Siemens Centaur XP/XPT/Classic
		µg/ml	19.5	15.2	23.8	
		µmol/l	74.4	59.5	89.3	Siemens Dimension
		µg/ml	18.8	15.0	22.6	
		µmol/l	63.9	51.1	76.7	Siemens Immulite 2000/2500
		µg/ml	16.1	12.9	19.3	
µmol/l		62.6	50.1	75.1	Siemens Immulite 1000	
µg/ml		15.8	12.7	18.9		
µmol/l		65.9	52.7	79.1	Roche Integra	
µg/ml		16.6	13.3	19.9		
µmol/l		69.6	55.7	83.5	Vitros	
µg/ml		17.6	14.1	21.1		
µmol/l	68.6	54.9	82.3	Roche Cobas E411		
µg/ml	17.3	13.9	20.7			
µmol/l	68.1	54.5	81.7	Roche Cobas 6000/8000		
µg/ml	17.2	13.8	20.6			
µmol/l	65.4	52.3	78.5	Beckman DxC		
µg/ml	16.5	13.2	19.8			
Progesterone	nmol/l	29.1	23.3	34.9	Abbott Architect	
	ng/ml	9.11	7.29	10.9		
	nmol/l	47.1	37.7	56.5	BioMerieux Vidas	
	ng/ml	14.7	11.8	17.6		
	nmol/l	25.7	18.0	33.4	Siemens Centaur XP/XPT/Classic	
	ng/ml	8.04	5.63	10.5		
	nmol/l	26.1	20.9	31.3	Siemens Immulite 2000/2500	
	ng/ml	8.17	6.54	9.80		
nmol/l	31.5	25.2	37.8	Siemens Immulite 1000		
ng/ml	9.86	7.89	11.8			

IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Progesterone	nmol/l	36.3	29.0	43.6	Beckman Dxl Prog Cal 33555
	ng/ml	11.4	9.08	13.7	
	nmol/l	37.7	30.2	45.2	Roche Elecsys (Prog. II)
	ng/ml	11.8	9.45	14.2	
	nmol/l	37.9	30.3	45.5	Beckman Access Prog Cal 33555
	ng/ml	11.9	9.48	14.3	
	nmol/l	42.9	34.3	51.5	Tosoh Series
	ng/ml	13.4	10.7	16.1	
	nmol/l	37.8	30.2	45.4	Vitros ECi
	ng/ml	11.8	9.45	14.2	
	nmol/l	37.1	29.7	44.5	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	11.6	9.30	13.9	
	nmol/l	38.3	30.6	46.0	Roche Cobas 6000/8000 (Prog. II)
	ng/ml	12.0	9.58	14.4	
	nmol/l	32.3	25.8	38.8	Diasorin Liaison
	ng/ml	10.1	8.08	12.1	
	nmol/l	31.7	25.4	38.0	Beckman Dxl Prog DE Cal A80773
	ng/ml	9.92	7.95	11.9	
	nmol/l	32.7	26.2	39.2	Beckman Access Prog DE Cal A80773
	ng/ml	10.2	8.20	12.2	
	nmol/l	27.4	19.2	35.6	Siemens Centaur CP
ng/ml	8.58	6.01	11.2		
nmol/l	35.0	28.0	42.0	Mindray CL-2000i	
ng/ml	11.0	8.76	13.2		
nmol/l	41.4	33.1	49.7	Fujirebio Lumipulse G Series	
ng/ml	13.0	10.4	15.6		
nmol/l	37.8	30.2	45.4	Roche Cobas 6000/8000 (Prog. III)	
ng/ml	11.8	9.45	14.2		
nmol/l	38.3	30.6	46.0	Roche Elecsys (Prog. III)	
ng/ml	12.0	9.58	14.4		
nmol/l	37.1	29.7	44.5	Roche Cobas 4000/e411 (Prog. III)	
ng/ml	11.6	9.30	13.9		
Prolactin	μU/ml	552	442	662	Abbott Architect
	μU/ml	643	514	772	BioMerieux Vidas
	μU/ml	445	347	543	Siemens Centaur XP/XPT/Classic
	μU/ml	449	359	539	Siemens Immulite 2000/2500
	μU/ml	490	392	588	Siemens Immulite 1000
	μU/ml	441	353	529	Beckman Dxl800
	μU/ml	529	423	635	Roche Elecsys
	μU/ml	569	455	683	Diasorin Liaison
	μU/ml	446	357	535	Beckman Access
	μU/ml	521	417	625	Tosoh Series
	μU/ml	481	385	577	Vitros ECi
	μU/ml	529	423	635	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	μU/ml	529	423	635	Immunotech IRMA



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Prolactin	µU/ml	547	438	656	Roche Cobas E411
	µU/ml	525	420	630	Roche Cobas 6000/8000
	µU/ml	633	506	760	Fujirebio Lumipulse G Series
	µU/ml	435	339	531	Siemens Centaur CP
	µU/ml	635	508	762	Mindray CL-2000i
	µU/ml	568	454	682	Diasorin Liaison XL
PSA Free	ng/ml = µg/l	11.9	8.93	14.9	Abbott Architect
	ng/ml = µg/l	8.65	6.49	10.8	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	9.18	6.89	11.5	Siemens Immulite 2000/2500
	ng/ml = µg/l	8.51	6.38	10.6	Siemens Immulite 1000
	ng/ml = µg/l	10.5	7.88	13.1	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	7.14	5.36	8.93	Roche Elecsys
	ng/ml = µg/l	5.74	4.31	7.18	Diasorin Liaison
	ng/ml = µg/l	11.1	8.33	13.9	Beckman Access standardised to Hybritech
	ng/ml = µg/l	6.03	4.52	7.54	Tosoh Series
	ng/ml = µg/l	7.19	5.39	8.99	Roche Cobas E411
	ng/ml = µg/l	7.15	5.36	8.94	Roche Cobas 6000/8000
	ng/ml = µg/l	8.95	6.71	11.2	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	11.0	8.25	13.8	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	3.67	2.75	4.59	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	7.68	5.76	9.60	Fujirebio Lumipulse G Series
ng/ml = µg/l	5.64	4.23	7.05	Diasorin Liaison XL	
PSA Total	ng/ml = µg/l	11.5	8.63	14.4	Abbott Architect
	ng/ml = µg/l	13.2	9.90	16.5	BioMerieux Vidas
	ng/ml = µg/l	12.4	9.30	15.5	bioMerieux VIDAS TPSA
	ng/ml = µg/l	12.1	9.08	15.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	5.55	4.16	6.94	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	5.34	4.01	6.68	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	5.37	4.03	6.71	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	5.80	4.35	7.25	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	16.2	12.2	20.3	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	12.5	9.38	15.6	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	15.3	11.5	19.1	Roche Elecsys
	ng/ml = µg/l	7.49	5.62	9.36	Diasorin Liaison
	ng/ml = µg/l	16.5	12.4	20.6	Beckman Access standardised to Hybritech
	ng/ml = µg/l	16.4	12.3	20.5	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	9.25	6.94	11.6	Tosoh Series
	ng/ml = µg/l	15.2	11.4	19.0	Vitros ECi
	ng/ml = µg/l	15.3	11.5	19.1	CIS RIA Coated tube
	ng/ml = µg/l	15.4	11.6	19.3	Roche Cobas E411
	ng/ml = µg/l	15.2	11.4	19.0	Roche Cobas 6000/8000
	ng/ml = µg/l	10.4	7.80	13.0	Fujirebio Lumipulse G Series
ng/ml = µg/l	15.4	11.6	19.3	Ortho Vitros 3600/5600/ECi PSA II	
ng/ml = µg/l	12.1	9.08	15.1	Siemens Centaur CP	
ng/ml = µg/l	7.14	5.36	8.93	Diasorin Liaison XL	
Salicylic Acid	mmol/l	1.19	0.952	1.43	Abbott Architect
	mg/dl	16.4	13.1	19.7	



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone	μU/ml = mIU/l	2.09	1.67	2.51	Beckman Dxl800
	μU/ml = mIU/l	2.43	1.94	2.92	Roche Elecsys
	μU/ml = mIU/l	2.71	2.17	3.25	Diasorin Liaison
	μU/ml = mIU/l	2.09	1.67	2.51	Beckman Access Fast TSH
	μU/ml = mIU/l	2.15	1.72	2.58	Beckman Access hyperTSH 3rd Generation
	μU/ml = mIU/l	2.30	1.84	2.76	Tosoh Series
	μU/ml = mIU/l	2.58	2.06	3.10	Vitros ECI
	μU/ml = mIU/l	2.45	1.96	2.94	Roche Cobas E411
	μU/ml = mIU/l	2.45	1.96	2.94	Roche Cobas 6000/8000
	μU/ml = mIU/l	2.10	1.68	2.52	Beckman Dxl800 Hyper TSH
	μU/ml = mIU/l	2.07	1.66	2.48	Siemens Dimension Vista LOCI
	μU/ml = mIU/l	2.27	1.54	3.00	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	μU/ml = mIU/l	2.22	1.51	2.93	Siemens Centaur CP
	μU/ml = mIU/l	2.15	1.46	2.84	Siemens Centaur CP TSH3-Ultra
	μU/ml = mIU/l	2.81	2.25	3.37	Mindray CL-2000i
μU/ml = mIU/l	2.09	1.67	2.51	Beckman Dxl 600/800 Access (3rd IS)	
μU/ml = mIU/l	3.03	2.42	3.64	Diasorin Liaison XL	
Total Beta hCG	mU/ml=IU/l	13.2	10.6	15.8	Abbott Architect
	IU/ml	0.013	0.011	0.015	
	mU/ml=IU/l	28.4	22.7	34.1	BioMerieux Vidas
	IU/ml	0.028	0.023	0.033	
	mU/ml=IU/l	14.7	8.82	20.6	Siemens Centaur XP/XPT/Classic
	IU/ml	0.015	0.009	0.021	
	mU/ml=IU/l	35.7	28.6	42.8	Siemens Dimension
	IU/ml	0.036	0.029	0.043	
	mU/ml=IU/l	49.0	39.2	58.8	Siemens Immulite 2000
	IU/ml	0.049	0.039	0.059	
	mU/ml=IU/l	44.0	35.2	52.8	Siemens Immulite 1000
	IU/ml	0.044	0.035	0.053	
	mU/ml=IU/l	15.1	12.1	18.1	Beckman Dxl800
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	12.4	9.92	14.9	Diasorin Liaison
	IU/ml	0.012	0.010	0.014	
	mU/ml=IU/l	19.3	15.4	23.2	Roche Cobas Core EIA
	IU/ml	0.019	0.015	0.023	
	mU/ml=IU/l	14.7	11.8	17.6	Beckman Access
	IU/ml	0.015	0.012	0.018	
mU/ml=IU/l	31.4	25.1	37.7	Tosoh Series	
IU/ml	0.031	0.025	0.037		
mU/ml=IU/l	34.0	27.2	40.8	Vitros ECI	
IU/ml	0.034	0.027	0.041		
mU/ml=IU/l	15.5	12.4	18.6	Roche STAT (Intact)	
IU/ml	0.016	0.012	0.020		
mU/ml=IU/l	19.1	15.3	22.9	Roche hCG+Beta	
IU/ml	0.019	0.015	0.023		
mU/ml=IU/l	12.1	9.68	14.5	Fujirebio Lumipulse G Series	
IU/ml	0.012	0.010	0.014		



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	13.5	10.8	16.2	Radiometer AQT90 Flex
	IU/ml	0.014	0.011	0.017	
	mU/ml=IU/l	15.0	12.0	18.0	Beckman Access Total BhCG (5th IS)
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	15.1	12.1	18.1	Beckman Dxl Total BhCG (5th IS)
	IU/ml	0.015	0.012	0.018	
mU/ml=IU/l	15.0	9.00	21.0	Siemens Centaur CP	
IU/ml	0.015	0.009	0.021		
mU/ml=IU/l	13.1	10.5	15.7	Diasorin Liaison XL	
IU/ml	0.013	0.011	0.015		
Total T3	nmol/l	3.43	2.57	4.29	Abbott Architect
	ng/ml	2.23	1.67	2.79	
	ng/dl	223	167	279	
	nmol/l	4.07	3.05	5.09	BioMerieux Vidas
	ng/ml	2.65	1.99	3.31	
	ng/dl	265	199	331	
	nmol/l	4.39	3.29	5.49	Siemens Centaur XP/XPT/Classic
	ng/ml	2.86	2.14	3.58	
	ng/dl	286	214	358	
	nmol/l	3.87	2.90	4.84	Siemens Immulite 2000/2500
	ng/ml	2.52	1.89	3.15	
	ng/dl	252	189	315	
	nmol/l	3.75	2.81	4.69	Siemens Immulite 1000
	ng/ml	2.44	1.83	3.05	
	ng/dl	244	183	305	
	nmol/l	3.62	2.72	4.53	Beckman Dxl800
	ng/ml	2.36	1.77	2.95	
	ng/dl	236	177	295	
	nmol/l	4.49	3.37	5.61	Roche Elecsys
	ng/ml	2.92	2.19	3.65	
	ng/dl	292	219	365	
	nmol/l	3.69	2.77	4.61	Beckman Access
	ng/ml	2.40	1.80	3.00	
	ng/dl	240	180	300	
nmol/l	3.91	2.93	4.89	Tosoh Series	
ng/ml	2.55	1.91	3.19		
ng/dl	255	191	319		
nmol/l	4.31	3.23	5.39	Vitros ECi	
ng/ml	2.81	2.10	3.52		
ng/dl	281	210	352		
nmol/l	2.77	2.08	3.46	CIS RIA Coated tube	
ng/ml	1.80	1.35	2.25		
ng/dl	180	135	225		
nmol/l	4.34	3.26	5.43	Roche Cobas E411	
ng/ml	2.83	2.12	3.54		
ng/dl	283	212	354		



IMMUNOASSAY PREMIUM - LEVEL 2 (IA PREMIUM 2)

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Analyte	unit	Target	Range		methods
			low	high	
Total T3	nmol/l	4.19	3.14	5.24	Roche Cobas 6000/8000
	ng/ml	2.73	2.04	3.42	
	ng/dl	273	204	342	
	nmol/l	4.33	3.25	5.41	Siemens Centaur CP
	ng/ml	2.82	2.12	3.52	
	ng/dl	282	212	352	
	nmol/l	2.99	2.24	3.74	Diasorin Liaison XL
	ng/ml	1.95	1.46	2.44	
	ng/dl	195	146	244	
Total T4	nmol/l	102	76.5	128	Abbott Architect
	µg/dl	7.96	5.97	9.95	
	ng/ml	79.6	59.7	100	
	nmol/l	123	92.3	154	BioMerieux Vidas
	µg/dl	9.59	7.20	12.0	
	ng/ml	95.9	72.0	120	
	nmol/l	105	68.3	142	Siemens Centaur XP/XPT/Classic
	µg/dl	8.19	5.32	11.1	
	ng/ml	81.9	53.2	111	
	nmol/l	111	83.3	139	Siemens Immulite 2000/2500
	µg/dl	8.66	6.50	10.8	
	ng/ml	86.6	65.0	108	
	nmol/l	106	79.5	133	Siemens Immulite 1000
	µg/dl	8.27	6.20	10.3	
	ng/ml	82.7	62.0	103	
	nmol/l	107	80.3	134	Beckman DxI800
	µg/dl	8.35	6.26	10.4	
	ng/ml	83.5	62.6	104	
	nmol/l	101	75.8	126	Roche Elecsys
	µg/dl	7.88	5.91	9.85	
	ng/ml	78.8	59.1	98.5	
	nmol/l	113	84.8	141	Beckman Access
	µg/dl	8.81	6.61	11.0	
	ng/ml	88.1	66.1	110	
	nmol/l	98.3	73.7	123	Tosoh Series
µg/dl	7.67	5.75	9.59		
ng/ml	76.7	57.5	95.9		
nmol/l	108	81.0	135	Vitros Eci	
µg/dl	8.42	6.32	10.5		
ng/ml	84.2	63.2	105		
nmol/l	110	82.5	138	CIS RIA Coated tube	
µg/dl	8.58	6.44	10.7		
ng/ml	85.8	64.4	107		
nmol/l	106	79.5	133	Roche Cobas E411	
µg/dl	8.27	6.20	10.3		
ng/ml	82.7	62.0	103		

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

Cat. No. IA2639/IA2633 Lot. No. 1947EC Size 12 x 5 ml / 4 x 5 ml Expiry 2022-12-28

Range					
Analyte	unit	Target	low	high	methods
Vancomycin	µmol/l	6.29	5.03	7.55	Beckman DxC
	µg/ml	9.35	7.47	11.2	
	µmol/l	6.17	4.94	7.40	Thermo Scientific QMS Vancomycin
	µg/ml	9.17	7.34	11.0	
Vitamin B12	pmol/l	419	335	503	Abbott Architect
	pg/ml	568	454	682	
	pmol/l	469	352	586	Siemens Centaur XP/XPT/Classic
	pg/ml	635	476	794	
	pmol/l	417	334	500	Siemens Immulite 2000
	pg/ml	565	453	677	
	pmol/l	356	285	427	Beckman Dxl800
	pg/ml	482	386	578	
	pmol/l	439	351	527	Roche Elecsys
	pg/ml	595	476	714	
	pmol/l	373	298	448	Beckman Access
	pg/ml	505	404	606	
	pmol/l	561	449	673	Tosoh Series
	pg/ml	760	608	912	
	pmol/l	437	350	524	Vitros ECi
	pg/ml	592	474	710	
	pmol/l	507	406	608	MP Biomedicals RIA
	pg/ml	687	550	824	
pmol/l	424	339	509	Siemens Dimension	
pg/ml	575	459	691		
pmol/l	540	405	675	Siemens Centaur CP	
pg/ml	732	549	915		

ADDITIONAL VALUES FOR 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. 1947EC **EXPIRY:** 2022-12-28

Analyte	Unit	Target	Low	High	Method
Alpha-fetoprotein	KIU/l=IU/ml	46.6	32.6	60.6	Snibe Maglumi
	ng/ml	56.4	39.4	73.3	
Androstenedione	nmol/l	9.93	6.97	12.9	Snibe Maglumi
	ng/ml	2.85	2.00	3.71	
Beta-2-microglobulin	µg/ml=mg/l	2.25	1.58	2.93	Snibe Maglumi
C-Peptide	nmol/l	2.28	1.60	2.96	Snibe Maglumi
	ng/ml	6.88	4.82	8.94	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	24.6	17.2	32.0	Snibe Maglumi
Cortisol	nmol/l	647	453	842	Snibe Maglumi
	µg/dl	23.3	16.3	30.3	
DHEA-S	nmol/l	14.0	9.82	18.2	Snibe Maglumi
	µg/dl	517	362	672	
Digoxin	nmol/l	3.42	2.39	4.44	Snibe Maglumi
	ng/ml	2.67	1.87	3.47	
Ferritin	ng/ml=µg/l	113	79.1	147	Snibe Maglumi
Free T3	pmol/l	14.7	10.3	19.0	Snibe Maglumi
	ng/dl	0.957	0.670	1.24	
	pg/ml	9.57	6.70	12.4	
Free T4	pmol/l	31.0	21.7	40.4	Snibe Maglumi
	ng/dl	2.42	1.69	3.15	
	pg/ml	24.2	16.9	31.5	
FSH	mU/ml	33.3	23.3	43.3	Snibe Maglumi
GH	µU/ml	23.9	16.8	31.2	Snibe Maglumi
	ng/ml	7.97	5.58	10.4	
Immunoglobulin E	KIU/l=IU/ml	103	72.1	134	Snibe Maglumi
Insulin	mU/l	19.5	13.7	25.4	Snibe Maglumi
	µU/ml	19.5	13.7	25.4	
Luteinising Hormone (LH)	mU/ml	42.8	30.0	55.6	Snibe Maglumi
Prolactin	µU/ml	484	339	629	Snibe Maglumi
PSA Free	ng/ml=µg/l	7.01	4.91	9.11	Snibe Maglumi
PSA Total	ng/ml=µg/l	13.0	9.10	16.9	Snibe Maglumi
Testosterone	nmol/l	14.0	9.76	18.2	Snibe Maglumi
	ng/ml	4.02	2.81	5.23	
	ng/dl	402	281	523	
Thyroid Stimulating Hormone	µU/ml=mIU/l	2.60	1.82	3.38	Snibe Maglumi
Total Beta hCG	mU/ml=IU/l	40.1	28.1	52.1	Snibe Maglumi
	IU/ml	0.040	0.028	0.052	
Total T3	nmol/l	3.27	2.29	4.25	Snibe Maglumi
	ng/ml	2.13	1.49	2.77	
	ng/dl	213	149	277	
Total T4	nmol/l	125	87.6	163	Snibe Maglumi
	µg/dl	9.75	6.83	12.7	
	ng/ml	97.5	68.3	127	
Vitamin B12	pmol/l	375	263	487	Snibe Maglumi
	pg/ml	508	356	660	

EC **REP** Randox Teoranta, Meenmore,
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16 Jun 21 bm