

Chargen-B.: 852EC
Inhalt: 12 x 5ml / 12 x 5ml**Artikel-Nr: KG3109 / KG3112**
Verwendbar bis: 2012-11**INTENDED USE**

This product is intended for in vitro diagnostic use in the quality control of the accuracy of Immunoassays on clinical chemistry systems. This material can be used to monitor the control of accuracy or the control of reproducibility of Immunoassays.

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. Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

OPENED: Store refrigerated (2 to 8°C). Reconstituted serum is stable for 7 days at 2 to 8°C if kept capped in original container and free from contamination or 4 weeks frozen once at -20°C. 25-OH Vitamin D and 1,25(OH)₂ Vitamin D are stable for 5 days at 2-8°C. C-Peptide is stable for 1 day at 2-8°C. Parathyroid hormone (PTH) and Thyroglobulin should be tested within 4 hours of reconstitution, when stored at 2 to 8°C or within 2 weeks when stored below -20°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 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 5ml of distilled water at +20 to 25°C. Close 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 1: 12 x 5ml Tri-Level: 12 x 5ml

MATERIAL REQUIRED BUT NOT PROVIDED

Volumetric Pipette

VALUE ASSIGNMENT

Each batch of Immunoassay Premium Plus is submitted to a number of reference laboratories and values are assigned from a consensus of results obtained by these laboratories using a unique statistical analysis. With each batch a control range is provided for individual parameters and each parameter method. The control range is equivalent to the assigned mean ± 2 S.D. This results in extremely accurate values, which may be confidently used by laboratories to ensure the accuracy of their methods. Aldosterone and Estriol are present in the control but values are not provided.

If a method is unavailable, contact BGT BioGenTechnologies GmbH, Tel: 02551/4090 or email info@biogentechologies.de.

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
1-25 OH Vitamin D	pmol/l	33.6	28.6	38.6	IDS RIA
17-OH-Progesterone	nmol/l	3.94	3.18	4.70	Siemens Coat-a-Count
	ng/ml	1.30	1.05	1.55	
	nmol/l	3.45	2.59	4.31	DSL
	ng/ml	1.14	0.857	1.42	
25-OH Vitamin D	nmol/L	64.0	54.4	73.6	Roche Cobas E411
	nmol/l	65.6	49.2	82.0	Roche Elecsys
ACTH	pmol/L	0.758	0.644	0.872	Roche Cobas E411
	pg/mL	3.45	2.93	3.97	
	pmol/L	1.80	1.53	2.07	Brahms RIA
	pg/mL	8.18	6.95	9.41	
Alphafoetoprotein	KIU/l = IU/ml	9.29	7.35	11.2	Abbott AXSYM
	ng/ml	11.2	8.89	13.5	bioMerieux Vidas
	KIU/l = IU/ml	7.95	6.14	9.76	
	ng/ml	9.62	7.43	11.8	
	KIU/l = IU/ml	9.09	6.82	11.4	Siemens Immulite 1000
	ng/ml	11.0	8.25	13.8	
	KIU/l = IU/ml	9.23	7.85	10.6	Roche Elecsys
	ng/ml	11.2	9.50	12.9	
	KIU/l = IU/ml	9.35	7.91	10.8	Beckman Access
	ng/ml	11.3	9.57	13.0	
	KIU/l = IU/ml	8.66	6.90	10.4	Vitros Eci
	ng/ml	10.5	8.35	12.7	
	KIU/l = IU/ml	10.2	8.26	12.1	Siemens Advia Centaur
	ng/ml	12.3	9.99	14.6	
	KIU/l = IU/ml	8.54	7.26	9.82	Siemens Immulite 2000/2500
	ng/ml	10.3	8.78	11.8	
	KIU/l = IU/ml	9.78	8.31	11.3	Abbott Architect
	ng/ml	11.8	10.1	13.5	
	KIU/l = IU/ml	9.40	7.99	10.8	Roche Modular E170
	ng/ml	11.4	9.67	13.1	
KIU/l = IU/ml	9.24	7.85	10.6	Beckman Dxl800	
ng/ml	11.2	9.50	12.9		
KIU/l = IU/ml	9.61	8.17	11.1	Roche Cobas 6000	
ng/ml	11.6	9.89	13.3		
KIU/l = IU/ml	8.98	7.63	10.3	Roche Cobas E411	
ng/ml	10.9	9.23	12.6		
KIU/l = IU/ml	11.3	8.70	13.9	Pishtaz Teb- ELISA	
ng/ml	13.7	10.5	16.9		
Amikacin	µmol/l	6.40	5.12	7.68	Gravimetric
	µg/ml	3.75	3.00	4.50	
Beta-2-microglobulin	µg/ml = mg/l	1.64	1.37	1.91	Siemens Immulite 1000

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Beta-2-microglobulin	µg/ml = mg/l	1.52	1.29	1.75	bioMerieux Vidas
	µg/ml = mg/l	1.32	1.09	1.55	Roche Tinaquant
	µg/ml = mg/l	0.973	0.758	1.19	Abbott AXSYM
	µg/ml = mg/l	1.24	1.04	1.44	Siemens Immulite 2000/2500
C-Peptide	nmol/L	0.423	0.360	0.486	Roche Elecsys
	ng/mL	1.28	1.09	1.47	
CA 15-3	U/ml	16.4	12.7	20.1	bioMerieux Vidas
	U/ml	21.0	16.2	25.8	Siemens Advia Centaur
	U/ml	22.7	19.3	26.1	Abbott Architect
	U/ml	20.2	15.4	25.0	Siemens Immulite 2000/2500
	U/ml	20.1	16.5	23.7	Abbott AXSYM
	U/ml	24.8	18.6	31.0	Siemens Immulite 1000
	U/ml	16.6	14.1	19.1	Vitros ECi
	U/ml	14.5	12.3	16.7	Roche Modular E170
	U/ml	10.7	9.10	12.3	Beckman DxI800
	U/ml	13.8	11.1	16.5	Roche Cobas 6000
	U/ml	13.5	11.5	15.5	Roche Cobas E411
	U/ml	14.4	11.6	17.2	Roche Elecsys
CA 19-9	U/ml	26.6	21.3	31.9	Abbott AXSYM
	U/ml	24.7	21.0	28.4	bioMerieux Vidas
	U/ml	21.5	18.3	24.7	Roche Elecsys
	U/ml	32.9	27.7	38.1	Siemens Advia Centaur
	U/ml	24.6	19.2	30.0	Siemens Immulite 2000/2500
	U/ml	110	92.6	127	Abbott Architect
	U/ml	45.3	38.5	52.1	Vitros ECi
	U/ml	20.4	17.3	23.5	Roche Modular E170
	U/ml	29.3	24.9	33.7	Beckman Access
	U/ml	23.7	20.1	27.3	Beckman DxI800
	U/ml	108	91.8	124	Abbott Architect XR kit
	U/ml	20.3	17.3	23.3	Roche Cobas 6000
U/ml	21.3	17.7	24.9	Roche Cobas E411	
CA125	U/ml	25.0	19.3	30.7	Abbott AXSYM
	U/ml	19.0	16.2	21.8	Siemens Immulite 1000
	U/ml	20.9	17.8	24.0	bioMerieux Vidas
	U/ml	19.9	16.6	23.2	Roche Elecsys
	U/ml	21.4	18.2	24.6	Bayer ADVIA Centaur OV kit
	U/ml	17.7	15.0	20.4	Siemens Immulite 2000/2500
	U/ml	18.0	15.3	20.7	Vitros ECi
	U/ml	20.2	17.2	23.2	Roche Modular E170
	U/ml	29.4	25.0	33.8	Abbott Architect
	U/ml	21.8	18.5	25.1	Bayer ADVIA Centaur CA125 II kit
	U/ml	18.9	14.1	23.7	Beckman Access
	U/ml	18.1	15.4	20.8	Beckman DxI800
Carbamazepine	µmol/l	12.7	10.8	14.6	Vitros
	µg/ml	3.00	2.55	3.45	

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Carbamazepine	µmol/l	14.8	12.6	17.0	Abbott AXSYM
	µg/ml	3.50	2.98	4.02	
	µmol/l	14.3	12.2	16.4	Siemens Advia Centaur
	µg/ml	3.38	2.88	3.88	
	µmol/l	12.7	10.5	14.9	Siemens Immulite 1000
	µg/ml	3.00	2.48	3.52	
	µmol/l	15.7	13.3	18.1	Roche Integra
	µg/ml	3.71	3.14	4.28	
	µmol/l	13.6	11.6	15.6	Siemens Immulite 2000/2500
	µg/ml	3.22	2.74	3.70	
	µmol/l	14.6	11.1	18.1	Roche Modular E170
	µg/ml	3.45	2.62	4.28	
	µmol/l	16.5	14.0	19.0	Abbott Architect
	µg/ml	3.90	3.31	4.49	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	2.97	2.52	3.42	Abbott AXSYM
	ng/ml = µg/l	2.41	2.05	2.77	bioMerieux Vidas
	ng/ml = µg/l	3.12	2.65	3.59	Siemens Immulite 1000
	ng/ml = µg/l	2.40	1.91	2.89	Roche Elecsys
	ng/ml = µg/l	3.73	2.66	4.80	Vitros ECi
	ng/ml = µg/l	2.47	1.92	3.02	Beckman Access
	ng/ml = µg/l	2.67	2.24	3.10	Siemens Advia Centaur
	ng/ml = µg/l	2.80	2.22	3.38	Siemens Immulite 2000/2500
	ng/ml = µg/l	2.99	2.54	3.44	Abbott Architect
	ng/ml = µg/l	2.46	2.09	2.83	Roche Modular E170
	ng/ml = µg/l	2.43	2.07	2.79	Beckman DxI800
	ng/ml = µg/l	2.42	2.06	2.78	Roche Cobas 6000
	ng/ml = µg/l	2.47	2.09	2.85	Roche Cobas E411
	ng/ml = µg/l	4.90	4.20	5.60	Pishtaz Teb- ELISA
Cortisol	nmol/l	200	157	243	Abbott AXSYM
	µg/dl	7.20	5.65	8.75	
	nmol/l	142	113	171	bioMerieux Vidas
	µg/dl	5.11	4.07	6.15	
	nmol/l	234	176	292	Siemens Immulite 1000
	µg/dl	8.42	6.34	10.5	
	nmol/l	193	157	229	Roche Elecsys
	µg/dl	6.95	5.65	8.25	
	nmol/l	250	205	295	Siemens Advia Centaur
	µg/dl	9.00	7.38	10.6	
	nmol/l	225	191	259	Siemens Immulite 2000/2500
	µg/dl	8.10	6.88	9.32	
	nmol/l	225	183	267	Abbott Architect
	µg/dl	8.10	6.59	9.61	
nmol/l	181	154	208	Roche Modular E170	
µg/dl	6.52	5.54	7.50		

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Cortisol	nmol/l	229	195	263	Beckman DxI800
	µg/dl	8.24	7.02	9.46	
	nmol/l	182	153	211	Roche Cobas 6000
	µg/dl	6.55	5.51	7.59	
	nmol/l	189	155	223	
DHEA-S	µmol/l	3.63	2.67	4.59	Siemens Immulite 1000
	µmol/l	3.44	2.72	4.16	Siemens Immulite 2000/2500
	µmol/l	4.85	4.08	5.62	Roche Elecsys
	µmol/l	5.12	4.30	5.94	Roche Modular E170
	µmol/l	4.60	3.80	5.40	Abbott Architect
	µmol/l	5.12	4.27	5.97	Roche Cobas E411
Digoxin	nmol/L	0.805	0.634	0.976	Abbott AXSYM
	ng/ml	0.629	0.495	0.760	
	nmol/L	0.791	0.672	0.910	Vitros
	ng/ml	0.618	0.525	0.710	
	nmol/L	0.679	0.577	0.781	Siemens Immulite 1000
	ng/ml	0.530	0.451	0.610	
	nmol/L	0.730	0.621	0.839	bioMerieux Vidas
	ng/ml	0.570	0.485	0.660	
	nmol/L	0.946	0.710	1.18	Roche Elecsys
	ng/ml	0.739	0.555	0.920	
	nmol/L	0.895	0.761	1.03	Roche Integra
	ng/ml	0.699	0.594	0.800	
	nmol/L	0.771	0.655	0.887	Siemens Immulite 2000/2500
	ng/ml	0.602	0.512	0.690	
	nmol/L	0.983	0.836	1.13	Siemens Advia Centaur
	ng/ml	0.768	0.653	0.880	
	nmol/L	0.958	0.754	1.16	Roche Modular E170
	ng/ml	0.748	0.589	0.910	
	nmol/L	0.943	0.754	1.13	Abbott Architect
	ng/ml	0.736	0.589	0.883	
nmol/L	0.865	0.653	1.08	Siemens Dimension	
ng/ml	0.676	0.510	0.840		
nmol/L	0.899	0.654	1.14	Roche Cobas 6000	
ng/ml	0.702	0.511	0.890		
Ethosuximide	µmol/l	226	181	271	Gravimetric
	µg/ml	32.0	25.7	38.4	
Ferritin	ng/ml = µg/l	17.1	13.5	20.7	Abbott AXSYM
	ng/ml = µg/l	16.4	12.3	20.5	bioMerieux Vidas
	ng/ml = µg/l	20.6	17.5	23.7	Siemens Immulite 1000
	ng/ml = µg/l	18.5	15.0	22.0	Roche Elecsys
	ng/ml = µg/l	13.8	10.0	17.6	Beckman Access
	ng/ml = µg/l	14.7	11.9	17.5	Vitros ECi

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Ferritin	ng/ml = µg/l	18.4	14.6	22.2	Siemens Advia Centaur
	ng/ml = µg/l	19.2	16.3	22.1	Siemens Immulite 2000/2500
	ng/ml = µg/l	19.5	16.5	22.5	Abbott Architect
	ng/ml = µg/l	19.7	16.7	22.7	Roche Modular E170
	ng/ml = µg/l	18.7	14.4	23.0	Siemens Dimension
	ng/ml = µg/l	13.9	11.8	16.0	Beckman DxI800
	ng/ml = µg/l	18.9	14.1	23.7	Roche Cobas E411
	ng/ml = µg/l	19.3	16.2	22.4	Roche Cobas 6000
	ng/ml = µg/l	12.0	8.00	16.0	Pishtaz Teb- ELISA
Folate	nmol/l	8.00	5.86	10.1	Abbott AXSYM
	ng/ml	3.53	2.58	4.48	
	nmol/l	6.19	5.26	7.12	Beckman Access
	ng/ml	2.73	2.32	3.14	
	nmol/l	10.2	7.58	12.8	Roche Elecsys
	ng/ml	4.50	3.34	5.66	
	nmol/l	6.12	4.90	7.34	Siemens Immulite 2000
	ng/ml	2.70	2.16	3.24	
	nmol/l	4.97	3.78	6.16	Vitros ECI
	ng/ml	2.19	1.67	2.71	
	nmol/l	7.39	6.27	8.51	Abbott Architect
	ng/ml	3.26	2.77	3.75	
	nmol/l	10.9	9.27	12.5	Roche Modular E170
	ng/ml	4.81	4.09	5.53	
	nmol/l	15.8	13.4	18.2	Bayer ADVIA Centaur (enhanced kit)
	ng/ml	6.97	5.91	8.03	
	nmol/l	6.01	5.11	6.91	Beckman DxI800
	ng/ml	2.65	2.25	3.05	
	nmol/l	11.5	8.28	14.7	Roche Cobas E411
	ng/ml	5.07	3.65	6.49	
nmol/l	10.5	8.93	12.1	Roche Cobas 6000	
ng/ml	4.63	3.94	5.32		
nmol/l	6.62	5.03	8.21	Abbott Architect restandardised	
ng/ml	2.92	2.22	3.62		
Free T3	pmol/l	7.15	6.08	8.22	Tosoh
	ng/dl	0.465	0.395	0.540	
	pg/ml	4.65	3.96	5.34	
	pmol/l	4.67	3.85	5.49	Abbott AXSYM
	ng/dl	0.304	0.250	0.360	
	pg/ml	3.04	2.51	3.57	
	pmol/l	4.32	3.67	4.97	bioMerieux Vidas
	ng/dl	0.281	0.239	0.320	
	pg/ml	2.81	2.39	3.23	
	pmol/l	5.33	4.53	6.13	Roche Elecsys
	ng/dl	0.346	0.294	0.400	
	pg/ml	3.47	2.95	3.99	
	pmol/l	4.71	4.00	5.42	Beckman Access
	ng/dl	0.306	0.260	0.350	
pg/ml	3.07	2.60	3.54		

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T3	pmol/l	4.90	3.68	6.12	Siemens Immulite 1000
	ng/dl	0.319	0.239	0.400	
	pg/ml	3.19	2.40	3.98	
	pmol/l	10.7	9.10	12.3	Vitros ECi
	ng/dl	0.696	0.592	0.800	
	pg/ml	6.97	5.92	8.02	
	pmol/l	5.24	4.45	6.03	Siemens Advia Centaur
	ng/dl	0.341	0.289	0.390	
	pg/ml	3.41	2.90	3.92	
	pmol/l	4.74	3.96	5.52	Siemens Immulite 2000/2500
	ng/dl	0.308	0.257	0.360	
	pg/ml	3.09	2.58	3.60	
	pmol/l	3.78	3.08	4.48	Abbott Architect
	ng/dl	0.246	0.200	0.290	
	pg/ml	2.46	2.01	2.91	
	pmol/l	5.34	4.54	6.14	Roche Modular E170
	ng/dl	0.347	0.295	0.400	
	pg/ml	3.48	2.96	4.00	
	pmol/l	4.92	4.18	5.66	Beckman DxI800
	ng/dl	0.320	0.272	0.370	
	pg/ml	3.20	2.72	3.68	
pmol/l	5.24	4.41	6.07	Roche Cobas E411	
ng/dl	0.341	0.287	0.400		
pg/ml	3.41	2.87	3.95		
pmol/l	5.30	4.51	6.09	Roche Cobas 6000	
ng/dl	0.345	0.293	0.400		
pg/ml	3.45	2.94	3.96		
pmol/l	2.30	1.70	2.90	Pishtaz Teb- ELISA	
ng/dl	0.150	0.110	0.190		
pg/ml	1.50	1.10	1.90		
Free T4	pmol/l	9.09	7.73	10.5	Abbott AXSYM
	ng/dl	0.709	0.603	0.820	
	pg/ml	7.09	6.03	8.15	
	pmol/l	5.87	4.76	6.98	bioMerieux Vidas
	ng/dl	0.458	0.371	0.550	
	pg/ml	4.58	3.71	5.45	
	pmol/l	12.8	10.9	14.7	Siemens Immulite 1000
	ng/dl	1.00	0.850	1.15	
	pg/ml	10.0	8.50	11.5	
	pmol/l	13.5	11.5	15.5	Roche Elecsys
	ng/dl	1.05	0.897	1.20	
	pg/ml	10.5	8.97	12.0	
	pmol/l	9.90	8.06	11.7	Beckman Access
	ng/dl	0.772	0.629	0.920	
	pg/ml	7.72	6.29	9.15	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
Free T4	pmol/l	25.3	21.5	29.1	Vitros ECi
	ng/dl	1.97	1.68	2.26	
	pg/ml	19.7	16.8	22.6	
	pmol/l	7.67	6.31	9.03	Siemens Advia Centaur
	ng/dl	0.598	0.492	0.700	
	pg/ml	5.98	4.92	7.04	
	pmol/l	12.9	10.3	15.5	Siemens Immulite 2000/2500
	ng/dl	1.01	0.803	1.22	
	pg/ml	10.1	8.03	12.2	
	pmol/l	11.1	9.44	12.8	Abbott Architect
	ng/dl	0.866	0.736	1.00	
	pg/ml	8.66	7.36	9.96	
	pmol/l	13.3	11.3	15.3	Roche Modular E170
	ng/dl	1.04	0.881	1.20	
	pg/ml	10.4	8.81	12.0	
	pmol/l	9.81	8.34	11.3	Beckman Dxl800
	ng/dl	0.765	0.651	0.880	
	pg/ml	7.65	6.51	8.79	
pmol/l	13.3	11.3	15.3	Roche Cobas 6000	
ng/dl	1.04	0.881	1.20		
pg/ml	10.4	8.81	12.0		
pmol/l	13.5	11.5	15.5	Roche Cobas E411	
ng/dl	1.05	0.897	1.20		
pg/ml	10.5	8.97	12.0		
pmol/l	14.0	11.5	16.5	Pishtaz Teb- ELISA	
ng/dl	1.10	0.900	1.30		
pg/ml	11.0	9.00	13.0		
Free Testosterone	pmol/L	0.630	0.470	0.790	DSL RIA
	pg/mL	0.180	0.130	0.230	
FSH	mU/ml	5.50	4.68	6.32	Tosoh
	mU/ml	4.48	3.81	5.15	Siemens Immulite 1000
	mU/ml	5.21	4.43	5.99	bioMerieux Vidas
	mU/ml	4.22	3.59	4.85	Abbott AXSYM
	mU/ml	4.88	4.10	5.66	Beckman Access
	mU/ml	5.35	4.40	6.30	Roche/BM Elecsys
	mU/ml	5.49	4.67	6.31	Vitros ECi
	mU/ml	5.33	4.53	6.13	Siemens Advia Centaur
	mU/ml	4.53	3.82	5.24	Siemens Immulite 2000/2500
	mU/ml	4.10	3.49	4.71	Abbott Architect
	mU/ml	4.71	4.00	5.42	Roche Modular E170
	mU/ml	5.36	4.56	6.16	Beckman Dxl800
	mU/ml	5.16	4.39	5.93	Roche Cobas E411
	mU/ml	4.83	4.11	5.55	Roche Cobas 6000
	mU/ml	9.00	6.50	11.5	Pishtaz Teb- ELISA
Gentamicin	µmol/l	4.85	3.88	5.82	Gravimetric
	µg/ml	2.32	1.85	2.78	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
Growth Hormone (GH)	µU/ml	8.62	6.20	11.0	Siemens Immulite 1000
	µU/ml	8.21	6.28	10.1	Siemens Immulite 2000/2500
Human Chorionic Gonadotrophin (hCG)	mU/ml=U/L	17.2	14.5	19.9	Abbott AXSYM
	mU/ml=U/L	16.4	13.6	19.2	bioMerieux Vidas
	mU/ml=U/L	21.8	17.2	26.4	Siemens Immulite 1000
	mU/ml=U/L	12.9	11.0	14.8	Roche Elecsys HCG + Beta
	mU/ml=U/L	12.1	10.3	13.9	Beckman Access
	mU/ml=U/L	18.5	15.7	21.3	Vitros ECi
	mU/ml=U/L	18.4	15.4	21.4	Siemens Advia Centaur
	mU/ml=U/L	21.9	17.9	25.9	Siemens Immulite 2000
	mU/ml=U/L	12.4	10.5	14.3	Abbott Architect
	mU/ml=U/L	12.8	10.9	14.7	Roche Modular E170
	mU/ml=U/L	16.5	14.0	19.0	Siemens Dimension
	mU/ml=U/L	11.7	9.95	13.5	Beckman DxI800
	mU/ml=U/L	14.1	11.4	16.8	Roche Elecsys HCG STAT Intact
	mU/ml=U/L	13.4	11.3	15.5	Roche Cobas E411
	mU/ml=U/L	12.8	10.9	14.7	Roche Cobas 6000
mU/ml=U/L	15.0	13.5	16.5	Pishtaz Teb- ELISA	
Immunoglobulin E	KIU/I = IU/ml	42.2	35.5	48.9	Siemens Immulite 1000
	KIU/I = IU/ml	32.8	24.6	41.0	bioMerieux Vidas
	KIU/I = IU/ml	40.9	34.8	47.0	Pharmacia Unicap
	KIU/I = IU/ml	42.5	36.1	48.9	Roche Elecsys
	KIU/I = IU/ml	39.3	33.4	45.2	Siemens Advia Centaur
	KIU/I = IU/ml	42.9	36.5	49.3	Siemens Immulite 2000/2500
	KIU/I = IU/ml	42.1	35.8	48.4	Roche Modular E170
	KIU/I = IU/ml	41.2	31.5	50.9	Roche Cobas E411
	KIU/I = IU/ml	41.2	35.0	47.4	Roche Cobas 6000
Insulin	KIU/I = IU/ml	40.0	35.0	45.0	Pishtaz Teb- ELISA
	mU/I	1.40	1.11	1.69	Siemens Advia Centaur
	mU/I	4.36	3.27	5.45	Siemens Immulite 1000
	mU/I	0.973	0.730	1.22	Roche Modular E170
	mU/I	0.750	0.635	0.865	Abbott Architect
	mU/I	0.942	0.668	1.22	Roche Cobas 6000
Luteinising Hormone (LH)	mU/I	0.570	0.479	0.661	Beckman DxI800
	mU/ml	3.87	3.22	4.52	Abbott AXSYM
	mU/ml	3.30	2.62	3.98	Beckman Access
	mU/ml	3.54	3.01	4.07	bioMerieux Vidas
	mU/ml	6.56	5.58	7.54	Siemens Immulite 1000
	mU/ml	3.80	3.23	4.37	Tosoh
	mU/ml	4.61	3.92	5.30	Roche Elecsys
	mU/ml	7.12	6.05	8.19	Vitros ECi
	mU/ml	4.12	3.50	4.74	Siemens Advia Centaur
	mU/ml	6.17	5.12	7.22	Siemens Immulite 2000
	mU/ml	3.55	3.02	4.08	Abbott Architect
mU/ml	4.74	4.03	5.45	Roche Modular E170	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Luteinising Hormone (LH)	mU/ml	3.16	2.69	3.63	Beckman DxI800
	mU/ml	4.57	3.88	5.26	Roche Cobas E411
	mU/ml	4.74	4.03	5.45	Roche Cobas 6000
	mU/ml	3.90	3.50	4.30	Pishtaz Teb- ELISA
Oestradiol	pmol/l	179	134	224	Abbott AXSYM
	pg/ml	48.7	36.4	61.0	
	pmol/l	258	216	300	bioMerieux Vidas
	pg/ml	70.2	58.8	81.6	
	pmol/l	227	164	290	Roche Elecsys
	pg/ml	61.7	44.6	78.8	
	pmol/l	399	280	518	Beckman Access
	pg/ml	109	76.2	142	
	pmol/l	149	119	179	Siemens Advia Centaur
	pg/ml	40.5	32.4	48.6	
	pmol/l	172	125	219	Siemens Immulite 2000/2500
	pg/ml	46.8	34.0	59.6	
	pmol/l	232	176	288	Abbott Architect
	pg/ml	63.1	47.9	78.3	
	pmol/l	244	207	281	Roche Modular E170
	pg/ml	66.4	56.3	76.5	
Paracetamol	mmol/l	0.199	0.169	0.229	Abbott AXSYM
	mg/l	30.1	25.6	34.6	
Parathyroid Hormone (PTH)	mmol/l	0.137	0.116	0.158	Roche Modular E170
	mg/l	20.7	17.6	23.8	
	pmol/l	1.38	1.04	1.72	Siemens Immulite 2000
	pg/ml	13.1	9.88	16.3	
Phenytoin	pmol/l	1.98	1.49	2.47	Roche Modular E170
	pg/ml	18.8	14.2	23.4	
	pmol/l	1.81	1.36	2.26	Roche Cobas 6000
	pg/ml	17.2	12.9	21.5	
Phenytoin	µmol/l	17.4	14.1	20.7	Siemens Advia Centaur
	µg/ml	4.39	3.56	5.22	
	µmol/l	18.3	15.6	21.0	Abbott AXSYM
	µg/ml	4.62	3.94	5.30	
	µmol/l	11.9	8.54	15.3	Vitros
	µg/ml	3.00	2.16	3.84	
	µmol/l	18.5	15.7	21.3	Siemens Immulite 1000
	µg/ml	4.67	3.96	5.38	
Phenytoin	µmol/l	16.8	14.3	19.3	Roche Integra
	µg/ml	4.24	3.61	4.87	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Phenytoin	µmol/l	15.7	13.3	18.1	Roche Modular E170
	µg/ml	3.96	3.36	4.56	
	µmol/l	17.0	14.3	19.7	Abbott Architect
	µg/ml	4.29	3.61	4.97	
Primidone	µmol/l	12.3	9.84	14.8	Gravimetric
	µg/ml	2.69	2.15	3.23	
Progesterone	nmol/l	4.49	3.70	5.28	Beckman Access
	ng/ml	1.41	1.16	1.66	
	nmol/l	3.67	2.75	4.59	Abbott AXSYM
	ng/ml	1.15	0.861	1.44	
	nmol/l	5.02	4.02	6.02	Siemens Immulite 1000
	ng/ml	1.57	1.26	1.88	
	nmol/l	4.43	3.22	5.64	bioMerieux Vidas
	ng/ml	1.39	1.01	1.77	
	nmol/l	3.15	2.40	3.90	Roche Elecsys
	ng/ml	0.986	0.751	1.22	
	nmol/l	3.56	2.56	4.56	Vitros ECi
	ng/ml	1.11	0.801	1.42	
	nmol/l	4.51	3.21	5.81	Siemens Advia Centaur
	ng/ml	1.41	1.00	1.82	
	nmol/l	3.88	3.23	4.53	Siemens Immulite 2000/2500
	ng/ml	1.21	1.01	1.41	
	nmol/l	3.82	3.03	4.61	Abbott Architect
	ng/ml	1.20	0.948	1.45	
	nmol/l	2.88	2.45	3.31	Roche Modular E170
	ng/ml	0.901	0.767	1.04	
nmol/l	4.30	3.61	4.99	Beckman DxI800	
ng/ml	1.35	1.13	1.57		
nmol/l	3.01	2.39	3.63	Roche Cobas E411	
ng/ml	0.942	0.748	1.14		
nmol/l	2.94	2.30	3.58	Roche Cobas 6000	
ng/ml	0.920	0.720	1.12		
Prolactin	µU/ml	115	97.8	132	Beckman Access
	µU/ml	174	142	206	Abbott AXSYM
	µU/ml	152	122	182	bioMerieux Vidas
	µU/ml	147	122	172	Siemens Immulite 1000
	µU/ml	145	123	167	Roche Elecsys
	µU/ml	192	144	240	Vitros ECi
	µU/ml	128	109	147	Siemens Advia Centaur
	µU/ml	130	111	149	Siemens Immulite 2000/2500
	µU/ml	172	146	198	Abbott Architect
	µU/ml	131	111	151	Diasorin Liaison
	µU/ml	142	121	163	Roche Modular E170
	µU/ml	123	105	141	Beckman DxI800
	µU/ml	143	122	164	Roche Modular E170 2nd Gen prolactin II
	µU/ml	142	121	163	Roche Elecsys 2nd Gen. prolactin II

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Prolactin	µU/ml	144	122	166	Roche Cobas E411
	µU/ml	144	122	166	Roche Cobas 6000
	µU/ml	216	198	234	Pishtaz Teb- ELISA
PSA Free	ng/ml = µg/l	0.990	0.842	1.14	Siemens Immulite 1000
	ng/ml = µg/l	0.990	0.842	1.14	Siemens Immulite 2000/2500
	ng/ml = µg/l	0.860	0.698	1.02	Abbott AxSYM - monoclonal
	ng/ml = µg/l	1.09	0.927	1.25	Roche Elecsys
	ng/ml = µg/l	1.04	0.884	1.20	Abbott Architect
	ng/ml = µg/l	1.10	0.935	1.27	Roche Modular E170
	ng/ml = µg/l	1.54	1.31	1.77	Beckman DxI800
	ng/ml = µg/l	1.09	0.927	1.25	Roche Cobas E411
PSA Total	ng/ml = µg/l	1.07	0.910	1.23	Abbott AxSYM - polyclonal
	ng/ml = µg/l	1.04	0.884	1.20	Abbott AxSYM - monoclonal
	ng/ml = µg/l	1.42	1.09	1.75	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	1.28	1.09	1.47	Roche Elecsys
	ng/ml = µg/l	0.958	0.776	1.14	Tosoh
	ng/ml = µg/l	1.29	0.983	1.60	Beckman Access-non-standardised results
	ng/ml = µg/l	1.15	0.978	1.32	Bayer ADVIA Centaur (equimolar)
	ng/ml = µg/l	1.53	1.19	1.87	bioMerieux VIDAS TPSA
	ng/ml = µg/l	1.15	0.978	1.32	Siemens Advia Centaur
	ng/ml = µg/l	1.27	0.999	1.54	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	1.12	0.952	1.29	Abbott Architect
	ng/ml = µg/l	1.06	0.901	1.22	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	0.703	0.598	0.808	Vitros ECI
	ng/ml = µg/l	1.35	1.15	1.55	Roche Modular E170
	ng/ml = µg/l	1.28	1.09	1.47	Beckman DxI800 non-standardised
	ng/ml = µg/l	1.13	0.848	1.41	Beckman DxI800 standardised to IRP96/670
	ng/ml = µg/l	1.32	1.12	1.52	Roche Cobas E411
ng/ml = µg/l	1.35	1.15	1.55	Roche Cobas 6000	
ng/ml = µg/l	1.20	0.900	1.50	Pishtaz Teb- ELISA	
Salicylic Acid	mmol/l	0.250	0.213	0.287	Roche Modular E170
	mg/dl	3.45	2.94	3.96	
SHBG	nmol/l	10.3	8.76	11.8	Siemens Immulite 1000
	nmol/l	8.97	7.62	10.3	Siemens Immulite 2000/2500
	nmol/l	10.0	7.62	12.4	Roche Elecsys
	nmol/l	9.53	8.10	11.0	Roche Modular E170
	nmol/l	10.1	8.59	11.6	Roche Cobas E411
	nmol/l	9.90	8.42	11.4	Roche Cobas 6000
T Uptake	%U	35.0	32.0	38.0	Pishtaz Teb- ELISA
	%U	37.7	30.9	44.5	Siemens Immulite 1000
Testosterone	nmol/l	2.05	1.54	2.56	Abbott AXSYM
	ng/ml	0.590	0.444	0.740	
	ng/dl	59.0	44.4	73.6	
	nmol/l	2.52	1.89	3.15	Siemens Immulite 1000
	ng/ml	0.726	0.544	0.910	
ng/dl	72.6	54.4	90.8		

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Testosterone	nmol/l	1.80	1.35	2.25	Roche Elecsys
	ng/ml	0.518	0.389	0.650	
	ng/dl	51.8	38.9	64.7	
	nmol/l	1.30	0.975	1.63	Vitros ECi
	ng/ml	0.374	0.281	0.470	
	ng/dl	37.4	28.1	46.7	
	nmol/l	1.81	1.36	2.26	Siemens Advia Centaur
	ng/ml	0.521	0.392	0.650	
	ng/dl	52.1	39.2	65.0	
	nmol/l	2.37	1.78	2.96	Siemens Immulite 2000/2500
	ng/ml	0.683	0.513	0.850	
	ng/dl	68.3	51.3	85.3	
	nmol/l	2.42	1.92	2.92	Abbott Architect
	ng/ml	0.697	0.553	0.840	
	ng/dl	69.7	55.3	84.1	
	nmol/l	1.77	1.33	2.21	bioMerieux Vidas
	ng/ml	0.510	0.383	0.640	
	ng/dl	51.0	38.3	63.7	
	nmol/l	1.90	1.43	2.37	Beckman Access
	ng/ml	0.547	0.412	0.680	
	ng/dl	54.7	41.2	68.2	
nmol/l	2.08	1.67	2.49	Roche Modular E170	
ng/ml	0.599	0.481	0.720		
ng/dl	59.9	48.1	71.7		
nmol/l	1.71	1.45	1.97	Beckman Dxl800	
ng/ml	0.492	0.418	0.570		
ng/dl	49.2	41.8	56.6		
nmol/l	1.74	1.31	2.17	Roche Cobas E411	
ng/ml	0.501	0.377	0.630		
ng/dl	50.1	37.7	62.5		
nmol/l	2.00	1.51	2.49	Roche Cobas 6000	
ng/ml	0.576	0.435	0.720		
ng/dl	57.6	43.5	71.7		
Theophylline	µmol/l	25.9	22.0	29.8	Abbott AXSYM
	µg/ml	4.67	3.96	5.38	
	µmol/l	32.8	23.8	41.8	Vitros
	µg/ml	5.91	4.29	7.53	
	µmol/l	26.5	22.5	30.5	Siemens Dimension
	µg/ml	4.78	4.05	5.51	
µmol/l	25.5	19.7	31.3	Abbott Architect	
µg/ml	4.60	3.55	5.65		
Thyroglobulin	ng/ml	24.8	18.6	31.0	Roche Elecsys
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.108	0.081	0.135	Abbott AxSYM Ultrasensitive hTSH II
	µU/ml = mIU/l	0.083	0.070	0.096	bioMerieux VIDAS TSH
	µU/ml = mIU/l	0.131	0.096	0.166	Siemens Immulite 1000

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.146	0.124	0.168	Roche Elecsys
	µU/ml = mIU/l	0.094	0.071	0.117	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	0.186	0.158	0.214	Tosoh
	µU/ml = mIU/l	0.218	0.168	0.268	Vitros ECi
	µU/ml = mIU/l	0.106	0.086	0.126	Siemens Advia Centaur
	µU/ml = mIU/l	0.093	0.079	0.107	Siemens Immulite 2000/2500
	µU/ml = mIU/l	0.100	0.085	0.115	Abbott Architect Ultrasensitive hTSH II
	µU/ml = mIU/l	0.107	0.086	0.128	Abbott AxSYM 3rd generation
	µU/ml = mIU/l	0.153	0.130	0.176	Roche Modular E170
	µU/ml = mIU/l	0.084	0.063	0.105	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	0.094	0.076	0.112	Beckman DxI800
	µU/ml = mIU/l	0.108	0.092	0.124	Bayer Advia Centaur 3rd Generation
	µU/ml = mIU/l	0.148	0.126	0.170	Roche Cobas E411
	µU/ml = mIU/l	0.148	0.126	0.170	Roche Cobas 6000
	µU/ml = mIU/l	0.090	0.077	0.103	Beckman DxI800 Hyper TSH
µU/ml = mIU/l	0.140	0.080	0.200	Pishtaz Teb- ELISA	
Tobramycin	µmol/l	4.17	3.34	5.00	Gravimetric
	µg/ml	1.95	1.56	2.34	
Total T3	nmol/l	1.03	0.773	1.29	Abbott AXSYM
	ng/ml	0.671	0.503	0.840	
	ng/dl	67.1	50.3	83.9	
	nmol/l	0.954	0.717	1.19	bioMerieux Vidas
	ng/ml	0.621	0.467	0.780	
	ng/dl	62.1	46.7	77.5	
	nmol/l	0.871	0.629	1.11	Siemens Immulite 1000
	ng/ml	0.567	0.409	0.730	
	ng/dl	56.7	40.9	72.5	
	nmol/l	1.80	1.51	2.09	Roche Elecsys
	ng/ml	1.17	0.983	1.36	
	ng/dl	117	98.3	136	
	nmol/l	1.59	1.19	1.99	Beckman Access
	ng/ml	1.04	0.775	1.31	
	ng/dl	104	77.5	131	
	nmol/l	0.887	0.735	1.04	Siemens Advia Centaur
	ng/ml	0.577	0.478	0.680	
	ng/dl	57.7	47.8	67.6	
	nmol/l	0.975	0.783	1.17	Siemens Immulite 2000/2500
	ng/ml	0.635	0.510	0.760	
	ng/dl	63.5	51.0	76.0	
nmol/l	1.01	0.847	1.17	Abbott Architect	
ng/ml	0.658	0.551	0.770		
ng/dl	65.8	55.1	76.5		
nmol/l	1.19	1.01	1.37	Vitros ECi	
ng/ml	0.775	0.658	0.890		
ng/dl	77.5	65.8	89.2		
nmol/l	1.72	1.46	1.98	Roche Modular E170	
ng/ml	1.12	0.950	1.29		
ng/dl	112	95.0	129		

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
Total T3	nmol/l	1.77	1.50	2.04	Roche Cobas E411	
	ng/ml	1.15	0.977	1.32		
	ng/dl	115	97.7	132		
	nmol/l	1.78	1.51	2.05	Roche Cobas 6000	
		ng/ml	1.16	0.983		1.34
		ng/dl	116	98.3		134
	nmol/l	0.950	0.700	1.20	Pishtaz Teb- ELISA	
		ng/ml	0.630	0.460		0.800
		ng/dl	63.0	46.0		80.0
Total T4	nmol/l	23.7	20.1	27.3	Vitros ECi	
	µg/dl	1.85	1.57	2.13		
	ng/ml	18.5	15.7	21.3		
	nmol/l	34.0	25.5	42.5	Abbott AXSYM	
		µg/dl	2.65	1.99		3.31
		ng/ml	26.5	19.9		33.1
	nmol/l	30.7	25.5	35.9	bioMerieux Vidas	
		µg/dl	2.39	1.99		2.79
		ng/ml	23.9	19.9		27.9
	nmol/l	21.8	16.4	27.2	Siemens Immulite 1000	
		µg/dl	1.70	1.28		2.12
		ng/ml	17.0	12.8		21.2
	nmol/l	34.3	29.2	39.4	Roche Elecsys	
		µg/dl	2.68	2.28		3.08
		ng/ml	26.8	22.8		30.8
	nmol/l	22.4	16.8	28.0	Siemens Advia Centaur	
		µg/dl	1.75	1.31		2.19
		ng/ml	17.5	13.1		21.9
	nmol/l	23.1	18.1	28.1	Siemens Immulite 2000/2500	
		µg/dl	1.80	1.41		2.19
		ng/ml	18.0	14.1		21.9
	nmol/l	39.4	30.2	48.6	Abbott Architect	
		µg/dl	3.07	2.36		3.78
		ng/ml	30.7	23.6		37.8
	nmol/l	34.2	29.1	39.3	Roche Modular E170	
		µg/dl	2.67	2.27		3.07
		ng/ml	26.7	22.7		30.7
nmol/l	36.6	27.9	45.3	Roche Cobas E411		
	µg/dl	2.85	2.18		3.52	
	ng/ml	28.5	21.8		35.2	
nmol/l	33.4	28.4	38.4	Roche Cobas 6000		
	µg/dl	2.61	2.22		3.00	
	ng/ml	26.1	22.2		30.0	
nmol/l	26.8	20.4	33.1	Pishtaz Teb- ELISA		
	µg/dl	2.10	1.60		2.60	
	ng/ml	21.0	16.0		26.0	

IMMUNOASSAY PREMIUM PLUS - LEVEL 1 (IA PREMIUM PLUS 1)

Art.-Nr.: KG3109/KG3112 Ch.-B.: 852EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Valproic Acid	µmol/l	201	171	231	Abbott AXSYM
	µg/ml	29.0	24.7	33.3	
	µmol/l	217	184	250	Siemens Immulite 1000
	µg/ml	31.3	26.6	36.0	
	µmol/l	219	186	252	Hitachi 911/912/917
	µg/ml	31.6	26.8	36.4	
	µmol/l	213	181	245	Roche Integra
	µg/ml	30.7	26.1	35.3	
	µmol/l	208	177	239	Siemens Immulite 2000/2500
	µg/ml	30.0	25.5	34.5	
	µmol/l	221	188	254	Siemens Advia Centaur
	µg/ml	31.9	27.1	36.7	
	µmol/l	141	112	170	Vitros
	µg/ml	20.3	16.2	24.4	
	µmol/l	208	177	239	Siemens Dimension
	µg/ml	30.0	25.5	34.5	
Vancomycin	µmol/l	207	176	238	Roche Modular E170
	µg/ml	29.9	25.4	34.4	
Vitamin B12	µmol/l	206	158	254	Abbott Architect
	µg/ml	29.7	22.8	36.6	
Vancomycin	µmol/l	3.43	2.74	4.12	Gravimetric
	µg/ml	5.10	4.07	6.12	
Vitamin B12	pmol/l	101	75.8	126	Abbott AXSYM
	pg/ml	137	103	171	
	pmol/l	133	99.8	166	Roche Elecsys
	pg/ml	180	135	225	
	pmol/l	93.9	67.2	121	Beckman Access
	pg/ml	127	91.1	163	
	pmol/l	124	93.0	155	Siemens Immulite 1000
	pg/ml	168	126	210	
	pmol/l	115	86.3	144	Siemens Advia Centaur
	pg/ml	156	117	195	
	pmol/l	111	94.4	128	Siemens Immulite 2000
	pg/ml	150	128	172	
	pmol/l	135	101	169	Abbott Architect
	pg/ml	183	137	229	
	pmol/l	134	101	167	Vitros ECi
	pg/ml	182	137	227	
pmol/l	112	95.2	129	Roche Modular E170	
pg/ml	152	129	175		
pmol/l	83.1	70.4	95.8	Beckman DxI800	
pg/ml	113	95.4	131		
pmol/l	132	101	163	Roche Cobas E411	
pg/ml	179	137	221		

Chargen-B.: 854EC
Inhalt: 12 x 5ml / 12 x 5ml

Artikel.-Nr.: KG3110 / KG3112
Verwendbar bis: 2012-11

INTENDED USE

This product is intended for in vitro diagnostic use in the quality control of the accuracy of Immunoassays on clinicalchemistry systems. This material can be used to monitor the control of accuracy or the control of reproducibility of Immunoassays.

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. Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

OPENED: Store refrigerated (2 to 8°C). Reconstituted serum is stable for 7 days at 2 to 8°C if kept capped in original container and free from contamination or 4 weeks frozen once at -20°C. 25-OH Vitamin D and 1,25(OH)₂ Vitamin D are stable for 5 days at 2-8°C. C-Peptide is stable for 1 day at 2-8°C. Parathyroid hormone (PTH) and Thyroglobulin should be tested within 4 hours of reconstitution, when stored at 2 to 8°C or within 2 weeks when stored below -20°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 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 5ml of distilled water at +20 to 25°C. Close bottle and allow to stand for 30 minutes before use. Ensure contents are completely dissolved by swirling gently. Avoid formation of foam. Do not shake.
2. Refer to the control section of the individual analyser application.
3. Refrigerate any unused material. Prior to reuse, mix contents thoroughly.

MATERIALS PROVIDED

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

MATERIAL REQUIRED BUT NOT PROVIDED

Volumetric Pipette

VALUE ASSIGNMENT

Each batch of Immunoassay Premium Plus is submitted to a number of reference laboratories and values are assigned from a consensus of results obtained by these laboratories using a unique statistical analysis. With each batch a control range is provided for individual parameters and each parameter method. The control range is equivalent to the assigned mean ± 2 S.D. This results in extremely accurate values, which may be confidently used by laboratories to ensure the accuracy of their methods. Aldosterone and Estriol are present in the control but values are not provided.

If a method is unavailable, contact BGT BioGenTechnologies GmbH, Tel: 02551/4090 or email info@biogentechnologies.de.

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
1-25 OH Vitamin D	pmol/l	99.0	79.2	119	IDS RIA
17-OH-Progesterone	nmol/l	17.2	13.0	21.4	Siemens Coat-a-Count
	ng/ml	5.69	4.30	7.08	
	nmol/l	13.9	10.4	17.4	DSL
	ng/ml	4.60	3.44	5.76	
25-OH Vitamin D	nmol/L	109	81.8	136	Roche Elecsys
	nmol/L	87.3	65.5	109	Roche Cobas E411
	nmol/L	80.6	60.5	101	IDS RIA
ACTH	pmol/L	5.09	3.82	6.36	Roche Cobas E411
	pg/mL	23.1	17.4	28.8	
	pmol/L	5.06	3.80	6.33	Roche Elecsys
	pg/mL	23.0	17.3	28.7	
Aldosterone	pmol/l	384	326	442	Diasorin
	pg/mL	139	118	160	
Alphafoetoprotein	KIU/l = IU/ml	45.2	36.3	54.1	Abbott AXSYM
	ng/ml	54.7	43.9	65.5	
	KIU/l = IU/ml	37.8	32.1	43.5	bioMerieux Vidas
	ng/ml	45.7	38.8	52.6	
	KIU/l = IU/ml	44.2	36.3	52.1	Siemens Immulite 1000
	ng/ml	53.5	43.9	63.1	
	KIU/l = IU/ml	47.0	40.0	54.0	Roche Elecsys
	ng/ml	56.9	48.4	65.4	
	KIU/l = IU/ml	48.5	41.0	56.0	Beckman Access
	ng/ml	58.7	49.6	67.8	
	KIU/l = IU/ml	39.3	31.4	47.2	Vitros ECi
	ng/ml	47.6	38.0	57.2	
	KIU/l = IU/ml	50.8	43.2	58.4	Siemens Advia Centaur
	ng/ml	61.5	52.3	70.7	
	KIU/l = IU/ml	46.0	37.4	54.6	Siemens Immulite 2000/2500
	ng/ml	55.7	45.3	66.1	
	KIU/l = IU/ml	48.8	41.5	56.1	Abbott Architect
	ng/ml	59.0	50.2	67.8	
	KIU/l = IU/ml	49.0	41.7	56.3	Roche Modular E170
	ng/ml	59.3	50.5	68.1	
KIU/l = IU/ml	47.9	39.6	56.2	Beckman DxI800	
ng/ml	58.0	47.9	68.1		
KIU/l = IU/ml	48.7	41.4	56.0	Roche Cobas 6000	
ng/ml	58.9	50.1	67.7		
KIU/l = IU/ml	48.4	35.8	61.0	Roche Cobas E411	
ng/ml	58.6	43.3	73.9		
KIU/l = IU/ml	47.9	41.3	54.5	Pishtaz Teb- ELISA	
ng/ml	58.0	50.0	66.0		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
Amikacin	µmol/l	16.4	13.9	18.9	Abbott TDx
	µg/ml	9.60	8.14	11.1	
Beta-2-microglobulin	µg/ml = mg/l	4.26	3.41	5.11	Siemens Immulite 1000
	µg/ml = mg/l	4.17	3.48	4.86	bioMerieux Vidas
	µg/ml = mg/l	3.75	3.19	4.31	Roche Tinaquant
	µg/ml = mg/l	3.06	2.57	3.55	Abbott AXSYM
	µg/ml = mg/l	3.54	2.79	4.29	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.79	3.22	4.36	Abbott Architect
C-Peptide	nmol/L	1.750	1.310	2.190	Roche Elecsys
	ng/mL	5.28	3.95	6.61	
CA 15-3	U/ml	38.1	32.4	43.8	bioMerieux Vidas
	U/ml	50.7	43.1	58.3	Siemens Advia Centaur
	U/ml	43.1	36.6	49.6	Abbott Architect
	U/ml	55.3	47.0	63.6	Siemens Immulite 2000/2500
	U/ml	36.0	30.6	41.4	Abbott AXSYM
	U/ml	60.7	51.2	70.2	Siemens Immulite 1000
	U/ml	43.6	37.1	50.1	Vitros ECI
	U/ml	42.2	35.9	48.5	Roche Modular E170
	U/ml	27.8	23.6	32.0	Beckman DxI800
	U/ml	41.7	35.4	48.0	Roche Cobas 6000
	U/ml	42.9	36.5	49.3	Roche Cobas E411
	U/ml	42.4	36.0	48.8	Roche Elecsys
CA 19-9	U/ml	74.3	60.5	88.1	Abbott AXSYM
	U/ml	86.9	61.4	112	Siemens Immulite 1000
	U/ml	80.6	68.5	92.7	bioMerieux Vidas
	U/ml	63.9	54.3	73.5	Roche Elecsys
	U/ml	107	89.7	124	Siemens Advia Centaur
	U/ml	78.2	58.6	97.8	Siemens Immulite 2000/2500
	U/ml	328	279	377	Abbott Architect
	U/ml	137	116	158	Vitros ECI
	U/ml	61.5	52.3	70.7	Roche Modular E170
	U/ml	86.9	73.9	99.9	Beckman Access
	U/ml	74.5	63.3	85.7	Beckman DxI800
	U/ml	324	275	373	Abbott Architect XR kit
	U/ml	62.0	52.7	71.3	Roche Cobas 6000
U/ml	64.7	55.0	74.4	Roche Cobas E411	
CA125	U/ml	87.4	74.3	101	Abbott AXSYM
	U/ml	87.6	74.5	101	Siemens Immulite 1000
	U/ml	78.6	66.8	90.4	bioMerieux Vidas
	U/ml	78.0	66.3	89.7	Roche Elecsys
	U/ml	76.1	64.7	87.5	Bayer ADVIA Centaur OV kit
	U/ml	74.6	63.1	86.1	Siemens Immulite 2000/2500
	U/ml	74.9	63.7	86.1	Vitros ECI
	U/ml	78.9	67.1	90.7	Roche Modular E170
	U/ml	102	86.7	117	Abbott Architect
	U/ml	80.1	68.1	92.1	Bayer ADVIA Centaur CA125 II kit

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
CA125	U/ml	72.0	61.2	82.8	Beckman DxI800
	U/ml	79.2	67.3	91.1	Roche Cobas E411
	U/ml	77.3	65.7	88.9	Roche Cobas 6000
Carbamazepine	µmol/l	37.4	29.5	45.3	Vitros
	µg/ml	8.84	6.97	10.7	
	µmol/l	37.8	32.1	43.5	Abbott AXSYM
	µg/ml	8.94	7.59	10.3	
	µmol/l	34.8	29.6	40.0	Siemens Advia Centaur
	µg/ml	8.23	7.00	9.46	
	µmol/l	36.8	31.1	42.5	Siemens Immulite 1000
	µg/ml	8.70	7.35	10.1	
	µmol/l	39.9	33.9	45.9	Roche Integra
	µg/ml	9.43	8.01	10.9	
	µmol/l	34.4	29.2	39.6	Siemens Immulite 2000/2500
	µg/ml	8.13	6.90	9.36	
	µmol/l	38.7	32.9	44.5	Roche Modular E170
	µg/ml	9.15	7.78	10.5	
µmol/l	47.1	40.0	54.2	Abbott Architect	
µg/ml	11.1	9.46	12.7		
µmol/l	36.7	31.2	42.2	Roche Cobas 6000	
µg/ml	8.68	7.38	9.98		
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	22.7	18.7	26.7	Abbott AXSYM
	ng/ml = µg/l	24.4	20.7	28.1	bioMerieux Vidas
	ng/ml = µg/l	31.0	26.2	35.8	Siemens Immulite 1000
	ng/ml = µg/l	20.7	17.6	23.8	Roche Elecsys
	ng/ml = µg/l	24.6	20.9	28.3	Vitros ECi
	ng/ml = µg/l	23.2	19.7	26.7	Beckman Access
	ng/ml = µg/l	23.7	20.1	27.3	Siemens Advia Centaur
	ng/ml = µg/l	32.3	27.5	37.1	Siemens Immulite 2000/2500
	ng/ml = µg/l	24.4	20.7	28.1	Abbott Architect
	ng/ml = µg/l	24.1	18.8	29.4	Diasorin Liaison
	ng/ml = µg/l	20.3	17.3	23.3	Roche Modular E170
	ng/ml = µg/l	23.5	19.9	27.1	Beckman DxI800
	ng/ml = µg/l	20.6	17.5	23.7	Roche Cobas 6000
	ng/ml = µg/l	20.7	17.6	23.8	Roche Cobas E411
ng/ml = µg/l	42.0	37.0	49.0	Pishtaz Teb- ELISA	
Cortisol	nmol/l	648	522	774	Abbott AXSYM
	µg/dl	23.3	18.8	27.8	
	nmol/l	558	474	642	bioMerieux Vidas
	µg/dl	20.1	17.1	23.1	
	nmol/l	681	579	783	Siemens Immulite 1000
	µg/dl	24.5	20.8	28.2	
	nmol/l	653	555	751	Roche Elecsys
	µg/dl	23.5	20.0	27.0	
nmol/l	695	581	809	Siemens Advia Centaur	
µg/dl	25.0	20.9	29.1		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Cortisol	nmol/l	666	566	766	Siemens Immulite 2000/2500
	µg/dl	24.0	20.4	27.6	
	nmol/l	595	497	693	Abbott Architect
	µg/dl	21.4	17.9	24.9	
	nmol/l	619	526	712	Roche Modular E170
	µg/dl	22.3	18.9	25.7	
	nmol/l	626	532	720	Beckman DxI800
	µg/dl	22.5	19.2	25.8	
	nmol/l	619	526	712	Roche Cobas 6000
	µg/dl	22.3	18.9	25.7	
DHEA-S	nmol/l	629	535	723	Roche Cobas E411
	µg/dl	22.6	19.3	25.9	
	µmol/l	14.9	12.3	17.5	Siemens Immulite 1000
	µmol/l	13.8	11.2	16.4	Siemens Immulite 2000/2500
	µmol/l	19.8	16.0	23.6	Roche Elecsys
	µmol/l	19.7	16.7	22.7	Roche Modular E170
	µmol/l	18.3	15.6	21.0	Abbott Architect
	µmol/l	19.2	15.0	23.4	Roche Cobas E411
	µmol/l	19.4	16.5	22.3	Roche Cobas 6000
Digoxin	nmol/L	2.92	2.48	3.36	Beckman Access
	ng/ml	2.28	1.94	2.62	
	nmol/L	3.12	2.63	3.61	Abbott AXSYM
	ng/ml	2.44	2.05	2.83	
	nmol/L	3.07	2.61	3.53	Vitros
	ng/ml	2.40	2.04	2.76	
	nmol/L	3.65	2.96	4.34	Siemens Immulite 1000
	ng/ml	2.85	2.31	3.39	
	nmol/L	3.08	2.62	3.54	bioMerieux Vidas
	ng/ml	2.41	2.05	2.77	
	nmol/L	3.48	2.61	4.35	Roche Elecsys
	ng/ml	2.72	2.04	3.40	
	nmol/L	3.58	3.04	4.12	Siemens Immulite 2000/2500
	ng/ml	2.80	2.37	3.23	
	nmol/L	3.12	2.65	3.59	Siemens Advia Centaur
	ng/ml	2.44	2.07	2.81	
	nmol/L	3.32	2.82	3.82	Roche Modular E170
	ng/ml	2.59	2.20	2.98	
	nmol/L	2.89	2.43	3.35	Abbott Architect
	ng/ml	2.26	1.90	2.62	
nmol/L	3.27	2.78	3.76	Siemens Dimension	
ng/ml	2.55	2.17	2.93		
nmol/L	3.00	2.55	3.45	Roche Cobas 6000	
ng/ml	2.34	1.99	2.69		
Ethosuximide	µmol/l	360	288	432	Gravimetric
	µg/ml	51.0	40.8	61.3	
Ferritin	ng/ml = µg/l	96.7	82.2	111	Abbott AXSYM

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Ferritin	ng/ml = µg/l	90.3	67.7	113	bioMerieux Vidas
	ng/ml = µg/l	92.6	78.7	107	Siemens Immulite 1000
	ng/ml = µg/l	101	85.9	116	Roche Elecsys
	ng/ml = µg/l	72.9	62.0	83.8	Beckman Access
	ng/ml = µg/l	68.5	58.2	78.8	Vitros ECi
	ng/ml = µg/l	88.7	75.4	102	Siemens Advia Centaur
	ng/ml = µg/l	92.4	78.5	106	Siemens Immulite 2000/2500
	ng/ml = µg/l	102	86.7	117	Abbott Architect
	ng/ml = µg/l	101	85.9	116	Roche Modular E170
	ng/ml = µg/l	93.2	79.2	107	Siemens Dimension
	ng/ml = µg/l	74.1	63.0	85.2	Beckman DxI800
	ng/ml = µg/l	95.6	81.3	110	Roche Cobas E411
	ng/ml = µg/l	98.8	84.0	114	Roche Cobas 6000
	ng/ml = µg/l	82.0	71.0	93.0	Pishtaz Teb- ELISA
Folate	nmol/l	23.8	20.2	27.4	Abbott AXSYM
	ng/ml	10.5	8.91	12.1	
	nmol/l	20.6	17.4	23.8	Beckman Access
	ng/ml	9.08	7.67	10.5	
	nmol/l	27.1	21.5	32.7	Roche Elecsys
	ng/ml	12.0	9.48	14.5	
	nmol/l	16.6	13.7	19.5	Siemens Immulite 2000
	ng/ml	7.32	6.04	8.60	
	nmol/l	11.8	9.32	14.3	Vitros ECi
	ng/ml	5.20	4.11	6.29	
	nmol/l	22.1	18.6	25.6	Abbott Architect
	ng/ml	9.75	8.20	11.3	
	nmol/l	27.7	23.5	31.9	Roche Modular E170
	ng/ml	12.2	10.4	14.0	
	nmol/l	46.1	35.8	56.4	Bayer ADVIA Centaur (enhanced kit)
	ng/ml	20.3	15.8	24.8	
	nmol/l	20.4	17.3	23.5	Beckman DxI800
	ng/ml	9.00	7.63	10.4	
	nmol/l	27.1	22.6	31.6	Roche Cobas E411
	ng/ml	12.0	9.97	14.0	
nmol/l	26.6	22.6	30.6	Roche Cobas 6000	
ng/ml	11.7	9.97	13.4		
nmol/l	21.5	18.3	24.7	Abbott Architect restandardised	
ng/ml	9.48	8.07	10.9		
Free T3	pmol/l	25.6	21.8	29.4	Tosoh
	ng/dl	1.66	1.42	1.90	
	pg/ml	16.7	14.2	19.2	
	pmol/l	15.4	13.1	17.7	Abbott AXSYM
	ng/dl	1.00	0.852	1.15	
	pg/ml	10.0	8.53	11.5	
	pmol/l	15.5	13.2	17.8	bioMerieux Vidas
	ng/dl	1.01	0.858	1.16	
pg/ml	10.1	8.59	11.6		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T3	pmol/l	16.9	14.4	19.4	Roche Elecsys
	ng/dl	1.10	0.936	1.26	
	pg/ml	11.0	9.37	12.6	
	pmol/l	14.3	11.1	17.5	Beckman Access
	ng/dl	0.930	0.722	1.14	
	pg/ml	9.31	7.23	11.4	
	pmol/l	12.2	10.2	14.2	Siemens Immulite 1000
	ng/dl	0.793	0.663	0.920	
	pg/ml	7.94	6.64	9.24	
	pmol/l	31.1	26.4	35.8	Vitros ECI
	ng/dl	2.02	1.72	2.32	
	pg/ml	20.2	17.2	23.2	
	pmol/l	14.1	12.0	16.2	Siemens Advia Centaur
	ng/dl	0.917	0.780	1.05	
	pg/ml	9.18	7.81	10.6	
	pmol/l	12.5	10.6	14.4	Siemens Immulite 2000/2500
	ng/dl	0.813	0.689	0.940	
	pg/ml	8.14	6.90	9.38	
	pmol/l	15.1	12.8	17.4	Abbott Architect
	ng/dl	0.982	0.832	1.13	
	pg/ml	9.83	8.33	11.3	
	pmol/l	17.0	14.5	19.5	Roche Modular E170
	ng/dl	1.11	0.943	1.28	
	pg/ml	11.1	9.44	12.8	
pmol/l	12.1	10.3	13.9	Beckman Dxl800	
ng/dl	0.787	0.670	0.900		
pg/ml	7.88	6.71	9.05		
pmol/l	17.5	14.9	20.1	Roche Cobas E411	
ng/dl	1.14	0.969	1.31		
pg/ml	11.4	9.70	13.1		
pmol/l	17.2	14.6	19.8	Roche Cobas 6000	
ng/dl	1.12	0.949	1.29		
pg/ml	11.2	9.50	12.9		
pmol/l	7.30	5.60	9.00	Pishtaz Teb- ELISA	
ng/dl	0.480	0.370	0.590		
pg/ml	4.80	3.70	5.90		
Free T4	pmol/l	20.4	17.3	23.5	Abbott AXSYM
	ng/dl	1.59	1.35	1.83	
	pg/ml	15.9	13.5	18.3	
	pmol/l	26.5	22.2	30.8	bioMerieux Vidas
	ng/dl	2.07	1.73	2.41	
	pg/ml	20.7	17.3	24.1	
	pmol/l	35.3	30.0	40.6	Siemens Immulite 1000
	ng/dl	2.75	2.34	3.16	
	pg/ml	27.5	23.4	31.6	

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T4	pmol/l	34.2	29.1	39.3	Roche Elecsys
	ng/dl	2.67	2.27	3.07	
	pg/ml	26.7	22.7	30.7	
	pmol/l	29.0	24.7	33.3	Beckman Access
	ng/dl	2.26	1.93	2.59	
	pg/ml	22.6	19.3	25.9	
	pmol/l	38.0	31.7	44.3	Tosoh
	ng/dl	2.96	2.47	3.45	
	pg/ml	29.6	24.7	34.5	
	pmol/l	71.0	60.4	81.6	Vitros ECI
	ng/dl	5.54	4.71	6.37	
	pg/ml	55.4	47.1	63.7	
	pmol/l	25.2	21.4	29.0	Siemens Advia Centaur
	ng/dl	1.97	1.67	2.27	
	pg/ml	19.7	16.7	22.7	
	pmol/l	35.8	30.4	41.2	Siemens Immulite 2000/2500
	ng/dl	2.79	2.37	3.21	
	pg/ml	27.9	23.7	32.1	
	pmol/l	31.2	26.5	35.9	Abbott Architect
	ng/dl	2.43	2.07	2.79	
	pg/ml	24.3	20.7	27.9	
	pmol/l	44.6	37.9	51.3	Diasorin Liaison
	ng/dl	3.48	2.96	4.00	
	pg/ml	34.8	29.6	40.0	
pmol/l	34.3	29.2	39.4	Roche Modular E170	
ng/dl	2.68	2.28	3.08		
pg/ml	26.8	22.8	30.8		
pmol/l	28.8	24.5	33.1	Beckman Dxl800	
ng/dl	2.25	1.91	2.59		
pg/ml	22.5	19.1	25.9		
pmol/l	34.3	29.2	39.4	Roche Cobas 6000	
ng/dl	2.68	2.28	3.08		
pg/ml	26.8	22.8	30.8		
pmol/l	35.1	29.8	40.4	Roche Cobas E411	
ng/dl	2.74	2.32	3.16		
pg/ml	27.4	23.2	31.6		
pmol/l	44.6	39.5	49.7	Pishtaz Teb- ELISA	
ng/dl	3.50	3.10	3.90		
pg/ml	35.0	31.0	39.0		
Free Testosterone	pmol/L	21.2	15.9	26.5	Siemens Coat-a-Count
	pg/mL	6.08	4.56	7.61	
	pmol/L	21.2	15.9	26.5	DSL RIA
	pg/mL	6.08	4.56	7.61	
FSH	mU/ml	29.2	24.1	34.3	Tosoh
	mU/ml	28.1	23.9	32.3	Siemens Immulite 1000
	mU/ml	33.2	28.2	38.2	bioMerieux Vidas

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
FSH	mU/ml	26.3	22.4	30.2	Abbott AXSYM
	mU/ml	32.7	27.0	38.4	Beckman Access
	mU/ml	28.4	24.1	32.7	Roche/BM Elecsys
	mU/ml	23.4	19.9	26.9	Vitros ECI
	mU/ml	29.1	24.7	33.5	Siemens Advia Centaur
	mU/ml	29.0	24.7	33.3	Siemens Immulite 2000/2500
	mU/ml	24.3	20.7	27.9	Abbott Architect
	mU/ml	33.6	28.6	38.6	Diasorin Liaison
	mU/ml	25.9	22.0	29.8	Roche Modular E170
	mU/ml	31.6	26.7	36.5	Beckman DxI800
	mU/ml	28.1	23.9	32.3	Roche Cobas E411
	mU/ml	26.4	22.4	30.4	Roche Cobas 6000
	mU/ml	39.0	30.0	48.0	Pishtaz Teb- ELISA
Gentamicin	µmol/l	8.58	7.29	9.87	Abbott AXSYM
	µg/ml	4.10	3.48	4.72	
Growth Hormone (GH)	µU/ml	31.5	23.5	39.5	Siemens Immulite 1000
	µU/ml	28.9	22.0	35.8	Siemens Immulite 2000/2500
Human Chorionic Gonadotrophin (hCG)	mU/ml=U/L	28.8	24.5	33.1	Abbott AXSYM
	mU/ml=U/L	35.9	30.5	41.3	bioMerieux Vidas
	mU/ml=U/L	38.0	28.5	47.5	Siemens Immulite 1000
	mU/ml=U/L	25.0	20.4	29.6	Roche Elecsys HCG + Beta
	mU/ml=U/L	20.8	17.7	23.9	Beckman Access
	mU/ml=U/L	37.8	32.1	43.5	Vitros ECI
	mU/ml=U/L	23.2	19.2	27.2	Siemens Advia Centaur
	mU/ml=U/L	43.3	36.4	50.2	Siemens Immulite 2000
	mU/ml=U/L	21.3	18.1	24.5	Abbott Architect
	mU/ml=U/L	18.2	13.7	22.7	Diasorin Liaison
	mU/ml=U/L	24.6	20.9	28.3	Roche Modular E170
	mU/ml=U/L	33.2	24.9	41.5	Siemens Dimension
	mU/ml=U/L	21.0	17.9	24.1	Beckman DxI800
	mU/ml=U/L	27.7	23.5	31.9	Roche Elecsys HCG STAT Intact
	mU/ml=U/L	24.9	21.2	28.6	Roche Cobas E411
	mU/ml=U/L	24.5	20.8	28.2	Roche Cobas 6000
mU/ml=U/L	32.0	28.0	36.0	Pishtaz Teb- ELISA	
Immunoglobulin E	KIU/l = IU/ml	90.6	75.7	106	Siemens Immulite 1000
	KIU/l = IU/ml	80.6	67.6	93.6	bioMerieux Vidas
	KIU/l = IU/ml	82.9	70.5	95.3	Pharmacia Unicap
	KIU/l = IU/ml	95.2	80.9	110	Roche Elecsys
	KIU/l = IU/ml	81.2	69.0	93.4	Siemens Advia Centaur
	KIU/l = IU/ml	93.1	79.1	107	Siemens Immulite 2000/2500
	KIU/l = IU/ml	92.0	78.2	106	Roche Modular E170
	KIU/l = IU/ml	74.1	63.0	85.2	Abbott Architect
	KIU/l = IU/ml	95.1	80.8	109	Roche Cobas E411
	KIU/l = IU/ml	93.6	79.6	108	Roche Cobas 6000
KIU/l = IU/ml	60.0	51.0	69.0	Pishtaz Teb- ELISA	
Insulin	mU/l	12.9	11.0	14.8	Siemens Advia Centaur

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Insulin	mU/l	12.1	9.02	15.2	Abbott AXSYM
	mU/l	3.10	2.33	3.88	Siemens Immulite 1000
	mU/l	11.1	9.44	12.8	Roche Modular E170
	mU/l	11.3	9.61	13.0	Roche Elecsys
	mU/l	11.4	9.69	13.1	Abbott Architect
	mU/l	11.2	9.52	12.9	Roche Cobas E411
	mU/l	10.7	9.10	12.3	Roche Cobas 6000
	mU/l	10.0	8.50	11.5	Beckman Dxl800
Luteinising Hormone (LH)	mU/ml	39.6	33.3	45.9	Abbott AXSYM
	mU/ml	34.5	29.3	39.7	Beckman Access
	mU/ml	34.2	29.1	39.3	bioMerieux Vidas
	mU/ml	45.8	38.9	52.7	Siemens Immulite 1000
	mU/ml	36.1	30.7	41.5	Tosoh
	mU/ml	37.6	32.0	43.2	Roche Elecsys
	mU/ml	47.0	40.0	54.0	Vitros ECi
	mU/ml	39.2	33.3	45.1	Siemens Advia Centaur
	mU/ml	44.6	37.9	51.3	Siemens Immulite 2000
	mU/ml	31.9	27.1	36.7	Abbott Architect
	mU/ml	40.8	34.7	46.9	Diasorin Liaison
	mU/ml	37.9	32.2	43.6	Roche Modular E170
	mU/ml	32.5	27.6	37.4	Beckman Dxl800
	mU/ml	38.4	32.6	44.2	Roche Cobas E411
	mU/ml	37.6	32.0	43.2	Roche Cobas 6000
mU/ml	32.0	26.0	38.0	Pishtaz Teb- ELISA	
Oestradiol	pmol/l	565	463	667	Abbott AXSYM
	pg/ml	154	126	182	
	pmol/l	1314	1117	1511	bioMerieux Vidas
	pg/ml	357	304	410	
	pmol/l	1057	828	1286	Siemens Immulite 1000
	pg/ml	288	225	351	
	pmol/l	836	711	961	Roche Elecsys
	pg/ml	227	193	261	
	pmol/l	958	798	1118	Vitros ECi
	pg/ml	261	217	305	
	pmol/l	1255	1067	1443	Beckman Access
	pg/ml	341	290	392	
	pmol/l	594	456	732	Siemens Advia Centaur
	pg/ml	162	124	200	
	pmol/l	1064	904	1224	Siemens Immulite 2000/2500
	pg/ml	289	246	332	
	pmol/l	697	592	802	Abbott Architect
	pg/ml	190	161	219	
pmol/l	852	724	980	Roche Modular E170	
pg/ml	232	197	267		
pmol/l	1254	1008	1500	Beckman Dxl800	
pg/ml	341	274	408		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
Oestradiol	pmol/l	847	720	974	Roche Cobas 6000	
	pg/ml	230	196	264		
	pmol/l	796	677	915	Roche Cobas E411	
	pg/ml	217	184	250		
Paracetamol	mmol/l	0.388	0.299	0.477	Abbott AXSYM	
	mg/l	58.7	45.2	72.2		
	mmol/l	0.310	0.264	0.356	Roche Modular E170	
	mg/l	46.9	39.9	53.9		
Parathyroid Hormone (PTH)	pmol/l	26.7	22.6	30.8	Siemens Advia Centaur	
	pg/ml	254	215	293		
	pmol/l	24.5	20.8	28.2	Siemens Immulite 1000	
	pg/ml	233	198	268		
	pmol/l	29.4	22.9	35.9	Siemens Immulite 2000	
	pg/ml	279	217	341		
	pmol/l	15.3	11.7	18.9	Roche Elecsys	
	pg/ml	145	111	179		
	pmol/l	14.1	12.0	16.2	Roche Modular E170	
	pg/ml	134	114	154		
	pmol/l	25.4	21.2	29.6	Abbott Architect	
	pg/ml	241	201	281		
	pmol/l	18.7	15.9	21.5	Beckman Access	
	pg/ml	178	151	205		
	pmol/l	14.2	10.7	17.7	Roche Cobas E411	
	pg/ml	135	102	168		
Phenytoin	µmol/l	70.6	60.0	81.2	Siemens Advia Centaur	
	µg/ml	17.8	15.2	20.4		
	µmol/l	64.1	54.5	73.7	Abbott AXSYM	
	µg/ml	16.2	13.8	18.6		
	µmol/l	58.9	50.1	67.7	Vitros	
	µg/ml	14.9	12.7	17.1		
	µmol/l	62.9	49.6	76.2	Siemens Immulite 1000	
	µg/ml	15.9	12.5	19.3		
	µmol/l	59.5	50.6	68.4	Roche Integra	
	µg/ml	15.0	12.8	17.2		
	µmol/l	59.1	50.2	68.0	Roche Modular E170	
	µg/ml	14.9	12.7	17.1		
	µmol/l	63.8	54.2	73.4	Abbott Architect	
	µg/ml	16.1	13.7	18.5		
	Primidone	µmol/l	22.5	18.0	27.0	Gravimetric
		µg/ml	4.91	3.93	5.89	
Progesterone	nmol/l	35.2	28.6	41.8	Beckman Access	
	ng/ml	11.0	8.95	13.1		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Progesterone	nmol/l	32.7	27.1	38.3	Abbott AXSYM
	ng/ml	10.2	8.48	11.9	
	nmol/l	32.0	23.3	40.7	Siemens Immulite 1000
	ng/ml	10.0	7.29	12.7	
	nmol/l	39.4	32.9	45.9	bioMerieux Vidas
	ng/ml	12.3	10.3	14.3	
	nmol/l	32.8	27.9	37.7	Roche Elecsys
	ng/ml	10.3	8.73	11.9	
	nmol/l	36.2	27.2	45.2	Vitros ECi
	ng/ml	11.3	8.51	14.1	
	nmol/l	29.6	25.2	34.0	Siemens Advia Centaur
	ng/ml	9.26	7.89	10.6	
	nmol/l	27.1	23.0	31.2	Siemens Immulite 2000/2500
	ng/ml	8.48	7.20	9.76	
	nmol/l	29.1	24.6	33.6	Abbott Architect
	ng/ml	9.11	7.70	10.5	
	nmol/l	31.1	26.4	35.8	Roche Modular E170
	ng/ml	9.73	8.26	11.2	
nmol/l	33.9	26.4	41.4	Beckman DxI800	
ng/ml	10.6	8.26	12.9		
nmol/l	33.3	28.3	38.3	Roche Cobas E411	
ng/ml	10.4	8.86	11.9		
nmol/l	30.2	25.7	34.7	Roche Cobas 6000	
ng/ml	9.45	8.04	10.9		
Prolactin	µU/ml	605	514	696	Beckman Access
	µU/ml	790	672	908	Abbott AXSYM
	µU/ml	869	709	1029	bioMerieux Vidas
	µU/ml	692	523	861	Siemens Immulite 1000
	µU/ml	820	697	943	Tosoh
	µU/ml	757	643	871	Roche Elecsys
	µU/ml	649	552	746	Vitros ECi
	µU/ml	603	512	694	Siemens Advia Centaur
	µU/ml	628	534	722	Siemens Immulite 2000/2500
	µU/ml	804	683	925	Abbott Architect
	µU/ml	672	548	796	Diasorin Liaison
	µU/ml	736	626	846	Roche Modular E170
	µU/ml	610	492	728	Beckman DxI800
	µU/ml	753	640	866	Roche Modular E170 2nd Gen prolactin II
	µU/ml	738	627	849	Roche Elecsys 2nd Gen. prolactin II
	µU/ml	756	643	869	Roche Cobas E411
	µU/ml	747	635	859	Roche Cobas 6000
	µU/ml	1025	870	1180	Pishtaz Teb- ELISA
PSA Free	ng/ml = µg/l	6.77	5.75	7.79	Siemens Immulite 1000
	ng/ml = µg/l	6.84	5.81	7.87	Siemens Immulite 2000/2500
	ng/ml = µg/l	6.92	5.55	8.29	Abbott Axsym - monoclonal
	ng/ml = µg/l	7.75	6.59	8.91	Roche Elecsys

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
PSA Free	ng/ml = µg/l	7.17	6.09	8.25	Abbott Architect
	ng/ml = µg/l	3.20	2.72	3.68	Diasorin Liaison
	ng/ml = µg/l	8.02	6.82	9.22	Roche Modular E170
	ng/ml = µg/l	9.71	6.89	12.5	Beckman Dxl800
	ng/ml = µg/l	7.83	6.41	9.25	Roche Cobas E411
	ng/ml = µg/l	7.62	6.48	8.76	Roche Cobas 6000
PSA Total	ng/ml = µg/l	6.99	5.94	8.04	Abbott AxSYM - polyclonal
	ng/ml = µg/l	7.19	6.06	8.32	Abbott AxSYM - monoclonal
	ng/ml = µg/l	8.93	7.57	10.3	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	9.59	8.15	11.0	Roche Elecsys
	ng/ml = µg/l	6.62	5.44	7.80	Tosoh
	ng/ml = µg/l	9.76	8.30	11.2	Beckman Access-non-standardised results
	ng/ml = µg/l	7.65	6.50	8.80	Bayer ADVIA Centaur (equimolar)
	ng/ml = µg/l	9.51	8.07	11.0	bioMerieux VIDAS TPSA
	ng/ml = µg/l	7.91	6.72	9.10	Siemens Advia Centaur
	ng/ml = µg/l	8.24	7.00	9.48	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	8.14	6.92	9.36	Abbott Architect
	ng/ml = µg/l	6.71	5.70	7.72	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	7.65	6.50	8.80	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	4.06	3.45	4.67	Vitros ECi
	ng/ml = µg/l	4.31	3.66	4.96	Diasorin Liaison
	ng/ml = µg/l	9.50	8.08	10.9	Roche Modular E170
	ng/ml = µg/l	9.08	7.72	10.4	Beckman Access standardised to IRP96/670
	ng/ml = µg/l	8.84	7.51	10.2	Beckman Dxl800 non-standardised
	ng/ml = µg/l	8.58	6.64	10.5	Beckman Dxl800 standardised to IRP96/670
	Salicylic Acid	mmol/l	1.25	1.00	1.50
mg/dl		17.3	13.8	20.8	
SHBG	nmol/l	38.7	32.8	44.6	Siemens Immulite 1000
	nmol/l	35.4	30.1	40.7	Siemens Immulite 2000/2500
	nmol/l	38.8	33.0	44.6	Roche Elecsys
	nmol/l	37.1	31.5	42.7	Roche Modular E170
	nmol/l	37.3	31.7	42.9	Roche Cobas E411
	nmol/l	38.3	32.6	44.0	Roche Cobas 6000
T Uptake	%U	39.0	38.0	40.0	Pishtaz Teb- ELISA
	%U	39.1	32.1	46.1	Siemens Immulite 1000
Testosterone	nmol/l	17.3	12.2	22.4	Abbott AXSYM
	ng/ml	4.98	3.51	6.45	
	ng/dl	498	351	645	
	nmol/l	25.2	20.5	29.9	Siemens Immulite 1000
	ng/ml	7.26	5.90	8.62	
	ng/dl	726	590	862	
	nmol/l	18.5	15.5	21.5	Roche Elecsys
	ng/ml	5.33	4.46	6.20	
	ng/dl	533	446	620	

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Testosterone	nmol/l	19.3	16.4	22.2	Vitros ECI
	ng/ml	5.56	4.72	6.40	
	ng/dl	556	472	640	
	nmol/l	14.7	11.5	17.9	Siemens Advia Centaur
	ng/ml	4.23	3.31	5.15	
	ng/dl	423	331	515	
	nmol/l	21.0	16.9	25.1	Siemens Immulite 2000/2500
	ng/ml	6.05	4.87	7.23	
	ng/dl	605	487	723	
	nmol/l	19.5	16.6	22.4	Abbott Architect
	ng/ml	5.62	4.78	6.46	
	ng/dl	562	478	646	
	nmol/l	24.0	19.5	28.5	bioMerieux Vidas
	ng/ml	6.91	5.62	8.20	
	ng/dl	691	562	820	
	nmol/l	15.2	12.8	17.6	Beckman Access
	ng/ml	4.38	3.69	5.07	
	ng/dl	438	369	507	
	nmol/l	19.7	16.7	22.7	Roche Modular E170
	ng/ml	5.67	4.81	6.53	
ng/dl	567	481	653		
nmol/l	14.4	12.2	16.6	Beckman DxI800	
ng/ml	4.15	3.51	4.79		
ng/dl	415	351	479		
nmol/l	18.8	16.0	21.6	Roche Cobas E411	
ng/ml	5.41	4.61	6.21		
ng/dl	541	461	621		
nmol/l	18.7	15.5	21.9	Roche Cobas 6000	
ng/ml	5.39	4.46	6.32		
ng/dl	539	446	632		
Theophylline	µmol/l	81.9	69.6	94.2	Abbott AXSYM
	µg/ml	14.8	12.5	17.1	
	µmol/l	83.4	70.9	95.9	Abbott Architect
	µg/ml	15.0	12.8	17.2	
Thyroglobulin	ng/ml	10.7	8.01	13.4	Siemens Immulite 1000
	ng/ml	9.86	7.04	12.7	Siemens Immulite 2000
	ng/ml	32.0	24.3	39.7	Roche Elecsys
	ng/ml	32.6	23.9	41.3	Roche Modular E170
	ng/ml	29.9	21.1	38.7	Roche Cobas E411
	ng/ml	33.6	28.6	38.6	Roche Cobas 6000
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.87	2.44	3.30	Abbott AxSYM Ultrasensitive hTSH II
	µU/ml = mIU/l	3.42	2.91	3.93	bioMerieux VIDAS TSH
	µU/ml = mIU/l	3.10	2.64	3.56	Siemens Immulite 1000
	µU/ml = mIU/l	3.22	2.74	3.70	Roche Elecsys
	µU/ml = mIU/l	2.82	2.40	3.24	Beckman Access hyperTSH 3rd Generation

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Thyroid Stimulating Hormone	µU/ml = mIU/l	3.56	3.03	4.09	Tosoh
	µU/ml = mIU/l	3.82	3.25	4.39	Vitros ECI
	µU/ml = mIU/l	3.03	2.58	3.48	Siemens Advia Centaur
	µU/ml = mIU/l	3.09	2.63	3.55	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.80	2.38	3.22	Abbott Architect Ultrasensitive hTSH II
	µU/ml = mIU/l	3.02	2.56	3.48	Abbott AxSYM 3rd generation
	µU/ml = mIU/l	3.43	2.92	3.94	Diasorin Liaison
	µU/ml = mIU/l	3.23	2.75	3.71	Roche Modular E170
	µU/ml = mIU/l	3.00	2.41	3.59	Siemens Dimension
	µU/ml = mIU/l	3.19	2.71	3.67	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.84	2.41	3.27	Beckman Dxl800
	µU/ml = mIU/l	2.67	2.27	3.07	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	3.00	2.55	3.45	Bayer Advia Centaur 3rd Generation
	µU/ml = mIU/l	3.24	2.75	3.73	Roche Cobas E411
	µU/ml = mIU/l	3.23	2.75	3.71	Roche Cobas 6000
	µU/ml = mIU/l	2.77	2.35	3.19	Beckman Dxl800 Hyper TSH
µU/ml = mIU/l	4.00	2.90	5.10	Pishtaz Teb- ELISA	
Tobramycin	µmol/l	7.16	5.73	8.59	Gravimetric
	µg/ml	3.35	2.68	4.02	
Total T3	nmol/l	4.80	4.08	5.52	Abbott AXSYM
	ng/ml	3.12	2.66	3.58	
	ng/dl	312	266	358	
	nmol/l	4.46	3.79	5.13	bioMerieux Vidas
	ng/ml	2.90	2.47	3.33	
	ng/dl	290	247	333	
	nmol/l	4.69	3.99	5.39	Siemens Immulite 1000
	ng/ml	3.05	2.60	3.50	
	ng/dl	305	260	350	
	nmol/l	4.71	4.00	5.42	Roche Elecsys
	ng/ml	3.07	2.60	3.54	
	ng/dl	307	260	354	
	nmol/l	4.54	3.86	5.22	Beckman Access
	ng/ml	2.96	2.51	3.41	
	ng/dl	296	251	341	
	nmol/l	4.35	3.70	5.00	Tosoh
	ng/ml	2.83	2.41	3.25	
	ng/dl	283	241	325	
	nmol/l	5.35	4.55	6.15	Siemens Advia Centaur
	ng/ml	3.48	2.96	4.00	
ng/dl	348	296	400		
nmol/l	4.24	3.60	4.88	Siemens Immulite 2000/2500	
ng/ml	2.76	2.34	3.18		
ng/dl	276	234	318		
nmol/l	4.28	3.64	4.92	Abbott Architect	
ng/ml	2.79	2.37	3.21		
ng/dl	279	237	321		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T3	nmol/l	4.80	4.08	5.52	Vitros ECI
	ng/ml	3.12	2.66	3.58	
	ng/dl	312	266	358	
	nmol/l	4.63	3.94	5.32	Roche Modular E170
	ng/ml	3.01	2.56	3.46	
	ng/dl	301	256	346	
	nmol/l	4.52	3.84	5.20	Beckman Dxl800
	ng/ml	2.94	2.50	3.38	
	ng/dl	294	250	338	
	nmol/l	4.62	3.93	5.31	Roche Cobas E411
	ng/ml	3.01	2.56	3.46	
	ng/dl	301	256	346	
	nmol/l	4.67	3.97	5.37	Roche Cobas 6000
	ng/ml	3.04	2.58	3.50	
	ng/dl	304	258	350	
nmol/l	3.40	2.90	3.80	Pishtaz Teb- ELISA	
ng/ml	2.20	1.90	2.50		
ng/dl	220	190	250		
Total T4	nmol/l	125	106	144	Vitros ECI
	µg/dl	9.75	8.27	11.2	
	ng/ml	97.5	82.7	112	
	nmol/l	133	113	153	Abbott AXSYM
	µg/dl	10.4	8.81	12.0	
	ng/ml	104	88.1	120	
	nmol/l	130	111	149	bioMerieux Vidas
	µg/dl	10.1	8.66	11.5	
	ng/ml	101	86.6	115	
	nmol/l	137	108	166	Siemens Immulite 1000
	µg/dl	10.7	8.42	13.0	
	ng/ml	107	84.2	130	
	nmol/l	126	107	145	Roche Elecsys
	µg/dl	9.83	8.35	11.3	
	ng/ml	98.3	83.5	113	
	nmol/l	130	101	159	Beckman Access
	µg/dl	10.1	7.88	12.3	
	ng/ml	101	78.8	123	
	nmol/l	128	93.9	162	Tosoh
	µg/dl	9.98	7.32	12.6	
	ng/ml	99.8	73.2	126	
nmol/l	143	121	165	Siemens Advia Centaur	
µg/dl	11.2	9.44	13.0		
ng/ml	112	94.4	130		
nmol/l	138	117	159	Siemens Immulite 2000/2500	
µg/dl	10.8	9.13	12.5		
ng/ml	108	91.3	125		
nmol/l	153	130	176	Abbott Architect	
µg/dl	11.9	10.1	13.7		
ng/ml	119	101	137		

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden	
		Zielwert	von	bis		
Total T4	nmol/l	125	106	144	Roche Modular E170	
	µg/dl	9.75	8.27	11.2		
	ng/ml	97.5	82.7	112		
	nmol/l	128	104	152	Roche Cobas E411	
		µg/dl	9.98	8.11		11.9
		ng/ml	99.8	81.1		119
	nmol/l	123	105	141	Roche Cobas 6000	
		µg/dl	9.59	8.19		11.0
		ng/ml	95.9	81.9		110
	nmol/l	158	126	190	Pishtaz Teb- ELISA	
		µg/dl	12.4	9.90		14.9
		ng/ml	124	99.0		149
Valproic Acid	µmol/l	542	461	623	Abbott AXSYM	
	µg/ml	78.2	66.5	89.9		
	µmol/l	588	500	676	Siemens Immulite 1000	
		µg/ml	84.8	72.2		97.4
	µmol/l	535	455	615	Hitachi 911/912/917	
		µg/ml	77.2	65.7		88.7
	µmol/l	570	485	655	Roche Integra	
		µg/ml	82.3	70.0		94.6
	µmol/l	611	519	703	Siemens Immulite 2000/2500	
		µg/ml	88.2	74.9		102
	µmol/l	542	461	623	Siemens Advia Centaur	
		µg/ml	78.2	66.5		89.9
	µmol/l	536	448	624	Vitros	
		µg/ml	77.3	64.6		90.0
	µmol/l	600	510	690	Roche Modular E170	
		µg/ml	86.6	73.6		99.6
	µmol/l	531	451	611	Abbott Architect	
		µg/ml	76.6	65.1		88.1
Vancomycin	µmol/l	7.10	5.68	8.52	Gravimetric	
	µg/ml	10.5	8.44	12.7		
Vitamin B12	pmol/l	477	405	549	Abbott AXSYM	
	pg/ml	646	549	743		
	pmol/l	461	392	530	Roche Elecsys	
		pg/ml	625	531		719
	pmol/l	413	319	507	Beckman Access	
		pg/ml	560	432		688
	pmol/l	483	411	555	Siemens Advia Centaur	
		pg/ml	654	557		751
	pmol/l	524	432	616	Siemens Immulite 2000	
		pg/ml	710	585		835
	pmol/l	481	409	553	Abbott Architect	
		pg/ml	652	554		750

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

Art.-Nr.: KG3110/KG3112 Ch.-B.: 854EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Vitamin B12	pmol/l	515	386	644	Vitros ECI
	pg/ml	698	523	873	
	pmol/l	472	401	543	Roche Modular E170
	pg/ml	640	543	737	
	pmol/l	389	316	462	Beckman DxI800
	pg/ml	527	428	626	
	pmol/l	480	352	608	Roche Cobas E411
	pg/ml	650	477	823	
	pmol/l	464	394	534	Roche Cobas 6000
	pg/ml	629	534	724	

Chargen-B.: 857EC
Inhalt: 12 x 5ml / 12 x 5ml**Artikel-Nr.: KG3111 / KG3112**
Verwendbar bis: 2012 -11**INTENDED USE**

This product is intended for in vitro diagnostic use in the quality control of the accuracy of Immunoassays on clinical chemistry systems. This material can be used to monitor the control of accuracy or the control of reproducibility of Immunoassays.

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.

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

OPENED: Store refrigerated (2 to 8°C). Reconstituted serum is stable for 7 days at 2 to 8°C if kept capped in original container and free from contamination or 4 weeks frozen once at -20°C. 25-OH Vitamin D and 1,25(OH)₂ Vitamin D are stable for 5 days at 2-8°C. C-Peptide is stable for 1 day at 2-8°C. Parathyroid hormone (PTH) and Thyroglobulin should be tested within 4 hours of reconstitution, when stored at 2 to 8°C or within 2 weeks when stored below -20°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 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 5ml of distilled water at +20 to 25°C. Close 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 5ml Tri-Level: 12 x 5ml

MATERIAL REQUIRED BUT NOT PROVIDED

Volumetric Pipette

VALUE ASSIGNMENT

Each batch of Immunoassay Premium Plus is submitted to a number of reference laboratories and values are assigned from a consensus of results obtained by these laboratories using a unique statistical analysis. With each batch a control range is provided for individual parameters and each parameter method. The control range is equivalent to the assigned mean ± 2 S.D. This results in extremely accurate values, which may be confidently used by laboratories to ensure the accuracy of their methods. Aldosterone and Estriol are present in the control but values are not provided.

If a method is unavailable, contact BGT BioGenTechnologies GmbH, Tel: 02551/4090 or email info@biogentechnologies.de.

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
1-25 OH Vitamin D	pmol/l	163	130	196	IDS RIA
17-OH-Progesterone	nmol/l	58.9	42.3	75.5	Siemens Coat-a-Count
	ng/ml	19.5	14.0	25.0	
	nmol/l	45.0	33.8	56.3	DSL
	ng/ml	14.9	11.2	18.6	
25-OH Vitamin D	nmol/L	145	109	181	Roche Elecsys
	nmol/L	131	98.3	164	Roche Cobas E411
	nmol/L	176	132	220	Roche Modular E170
	nmol/L	91.4	68.6	114	IDS RIA
	nmol/L	92.6	69.5	116	IDS ELISA
ACTH	pmol/L	14.3	10.7	17.9	Siemens Immulite 2000/2500
	pg/mL	65.0	48.6	81.4	
Aldosterone	pmol/l	774	658	890	CIS RIA
	pg/mL	279	237	321	
	pmol/l	696	592	800	Diasorin
	pg/mL	251	214	288	
Alphafoetoprotein	KIU/l = IU/ml	178	143	213	Abbott AXSYM
	ng/ml	215	173	257	
	KIU/l = IU/ml	150	126	174	bioMerieux Vidas
	ng/ml	182	152	212	
	KIU/l = IU/ml	171	139	203	Siemens Immulite 1000
	ng/ml	207	168	246	
	KIU/l = IU/ml	176	150	202	Roche Elecsys
	ng/ml	213	182	244	
	KIU/l = IU/ml	179	152	206	Beckman Access
	ng/ml	217	184	250	
	KIU/l = IU/ml	160	128	192	Vitros ECi
	ng/ml	194	155	233	
	KIU/l = IU/ml	188	160	216	Siemens Advia Centaur
	ng/ml	227	194	260	
	KIU/l = IU/ml	173	144	202	Siemens Immulite 2000/2500
	ng/ml	209	174	244	
	KIU/l = IU/ml	185	140	230	Abbott Architect
	ng/ml	224	169	279	
	KIU/l = IU/ml	186	158	214	Diasorin RIA
	ng/ml	225	191	259	
KIU/l = IU/ml	187	159	215	Roche Modular E170	
ng/ml	226	192	260		
KIU/l = IU/ml	177	146	208	Beckman DxI800	
ng/ml	214	177	251		
KIU/l = IU/ml	184	156	212	Roche Cobas 6000	
ng/ml	223	189	257		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Alphafoetoprotein	KIU/l = IU/ml	175	139	211	Roche Cobas E411
	ng/ml	212	168	256	
	KIU/l = IU/ml	161	149	173	Pishtaz Teb- ELISA
	ng/ml	195	180	210	
Amikacin	µmol/l	24.8	21.1	28.5	Abbott TDx
	µg/ml	14.5	12.4	16.6	
Beta-2-microglobulin	µg/ml = mg/l	7.64	5.73	9.55	Siemens Immulite 1000
	µg/ml = mg/l	8.29	7.05	9.53	bioMerieux Vidas
	µg/ml = mg/l	6.91	4.99	8.83	Roche Tinaquant
	µg/ml = mg/l	6.07	4.95	7.19	Abbott AXSYM
	µg/ml = mg/l	6.74	5.58	7.90	Siemens Immulite 2000/2500
	µg/ml = mg/l	7.96	6.77	9.15	Abbott Architect
C-Peptide	nmol/L	2.050	1.540	2.560	Siemens Immulite 2000/2500
	ng/mL	6.19	4.65	7.73	
	nmol/L	2.310	1.730	2.890	Roche Elecsys
	ng/mL	6.97	5.22	8.72	
C-Peptide	nmol/L	2.230	1.670	2.790	Siemens Immulite 1000
	ng/mL	6.73	5.04	8.42	
CA 15-3	U/ml	79.2	67.3	91.1	Roche Elecsys
	U/ml	69.4	59.0	79.8	bioMerieux Vidas
	U/ml	94.2	79.3	109	Siemens Advia Centaur
	U/ml	85.1	72.3	97.9	Abbott Architect
	U/ml	103	87.6	118	Siemens Immulite 2000/2500
	U/ml	68.7	58.2	79.2	Abbott AXSYM
	U/ml	116	98.6	133	Siemens Immulite 1000
	U/ml	77.3	65.7	88.9	Vitros ECi
	U/ml	80.5	68.4	92.6	Roche Modular E170
	U/ml	54.0	45.9	62.1	Beckman Access
	U/ml	51.3	42.4	60.2	Beckman DxI800
	U/ml	78.6	66.8	90.4	Roche Cobas 6000
	U/ml	74.8	62.8	86.8	Roche Cobas E411
CA 19-9	U/ml	150	121	179	Abbott AXSYM
	U/ml	183	156	210	Siemens Immulite 1000
	U/ml	174	137	211	bioMerieux Vidas
	U/ml	126	107	145	Roche Elecsys
	U/ml	203	173	233	Siemens Advia Centaur
	U/ml	157	114	200	Siemens Immulite 2000/2500
	U/ml	677	575	779	Abbott Architect
	U/ml	290	247	333	Vitros ECi
	U/ml	119	101	137	Roche Modular E170
	U/ml	176	148	204	Beckman Access
	U/ml	150	128	172	Beckman DxI800
	U/ml	656	544	768	Abbott Architect XR kit
	U/ml	120	102	138	Roche Cobas 6000
U/ml	124	104	144	Roche Cobas E411	
CA125	U/ml	186	146	226	Abbott AXSYM

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
CA125	U/ml	202	172	232	Siemens Immulite 1000
	U/ml	182	155	209	bioMerieux Vidas
	U/ml	177	150	204	Roche Elecsys
	U/ml	175	144	206	Bayer ADVIA Centaur OV kit
	U/ml	166	141	191	Siemens Immulite 2000/2500
	U/ml	174	148	200	Vitros ECi
	U/ml	270	230	310	Diasorin Liaison
	U/ml	177	150	204	Roche Modular E170
	U/ml	226	192	260	Abbott Architect
	U/ml	175	149	201	Bayer ADVIA Centaur CA125 II kit
	U/ml	155	132	178	Beckman Access
	U/ml	157	133	181	Beckman Dxl800
	U/ml	176	150	202	Roche Cobas E411
	U/ml	174	148	200	Roche Cobas 6000
Carbamazepine	µmol/l	63.7	53.5	73.9	Vitros
	µg/ml	15.1	12.6	17.6	
	µmol/l	68.4	58.1	78.7	Abbott AXSYM
	µg/ml	16.2	13.7	18.7	
	µmol/l	63.9	51.7	76.1	Siemens Advia Centaur
	µg/ml	15.1	12.2	18.0	
	µmol/l	61.2	52.0	70.4	Siemens Immulite 1000
	µg/ml	14.5	12.3	16.7	
	µmol/l	78.9	67.1	90.7	Roche Integra
	µg/ml	18.7	15.9	21.5	
	µmol/l	71.4	57.3	85.5	Siemens Dimension
	µg/ml	16.9	13.5	20.3	
	µmol/l	69.9	59.4	80.4	Roche Modular E170
	µg/ml	16.5	14.0	19.0	
µmol/l	66.8	56.8	76.8	Roche Cobas 6000	
µg/ml	15.8	13.4	18.2		
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	48.1	39.1	57.1	Abbott AXSYM
	ng/ml = µg/l	50.5	42.9	58.1	bioMerieux Vidas
	ng/ml = µg/l	65.0	53.2	76.8	Siemens Immulite 1000
	ng/ml = µg/l	41.2	35.0	47.4	Roche Elecsys
	ng/ml = µg/l	53.8	45.7	61.9	Tosoh
	ng/ml = µg/l	50.4	42.8	58.0	Vitros ECi
	ng/ml = µg/l	50.0	42.5	57.5	Beckman Access
	ng/ml = µg/l	50.8	43.2	58.4	Siemens Advia Centaur
	ng/ml = µg/l	67.2	57.1	77.3	Siemens Immulite 2000/2500
	ng/ml = µg/l	50.2	42.7	57.7	Abbott Architect
	ng/ml = µg/l	52.4	44.5	60.3	Diasorin Liaison
	ng/ml = µg/l	41.4	35.2	47.6	Roche Modular E170
	ng/ml = µg/l	47.6	40.5	54.7	Beckman Dxl800
	ng/ml = µg/l	41.5	35.3	47.7	Roche Cobas 6000
ng/ml = µg/l	40.5	34.4	46.6	Roche Cobas E411	
ng/ml = µg/l	86.0	76.0	96.0	Pishtaz Teb- ELISA	

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Cortisol	nmol/l	1023	818	1228	Abbott AXSYM
	µg/dl	36.8	29.4	44.2	
	nmol/l	916	779	1053	bioMerieux Vidas
	µg/dl	33.0	28.0	38.0	
	nmol/l	1072	911	1233	Siemens Immulite 1000
	µg/dl	38.6	32.8	44.4	
	nmol/l	980	833	1127	Roche Elecsys
	µg/dl	35.3	30.0	40.6	
	nmol/l	998	745	1251	Beckman Access
	µg/dl	35.9	26.8	45.0	
	nmol/l	1039	853	1225	Siemens Advia Centaur
	µg/dl	37.4	30.7	44.1	
	nmol/l	1020	867	1173	Siemens Immulite 2000/2500
	µg/dl	36.7	31.2	42.2	
	nmol/l	910	757	1063	Abbott Architect
	µg/dl	32.8	27.3	38.3	
nmol/l	957	813	1101	Roche Modular E170	
µg/dl	34.5	29.3	39.7		
nmol/l	992	843	1141	Beckman Dxl800	
µg/dl	35.7	30.3	41.1		
nmol/l	958	814	1102	Roche Cobas 6000	
µg/dl	34.5	29.3	39.7		
nmol/l	990	842	1138	Roche Cobas E411	
µg/dl	35.6	30.3	40.9		
DHEA-S	µmol/l	24.0	19.8	28.2	Siemens Immulite 1000
	µmol/l	24.8	21.1	28.5	Siemens Immulite 2000/2500
	µmol/l	36.2	27.2	45.2	Roche Elecsys
	µmol/l	31.0	21.9	40.1	Roche Modular E170
	µmol/l	33.0	28.1	37.9	Abbott Architect
	µmol/l	24.5	20.8	28.2	Siemens Advia Centaur
	µmol/l	33.4	25.1	41.7	Roche Cobas 6000
Digoxin	nmol/L	4.49	3.82	5.16	Abbott AXSYM
	ng/ml	3.51	2.98	4.04	
	nmol/L	4.92	4.18	5.66	Vitros
	ng/ml	3.84	3.26	4.42	
	nmol/L	6.08	5.17	6.99	Siemens Immulite 1000
	ng/ml	4.75	4.04	5.46	
	nmol/L	4.96	4.22	5.70	bioMerieux Vidas
	ng/ml	3.87	3.30	4.44	
	nmol/L	5.61	4.02	7.20	Roche Elecsys
	ng/ml	4.38	3.14	5.62	
	nmol/L	5.16	4.39	5.93	Siemens Advia Centaur
	ng/ml	4.03	3.43	4.63	
	nmol/L	5.39	4.49	6.29	Roche Modular E170
ng/ml	4.21	3.51	4.91		
nmol/L	4.44	3.72	5.16	Abbott Architect	
ng/ml	3.47	2.91	4.03		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Digoxin	nmol/L	5.21	4.43	5.99	Siemens Dimension
	ng/ml	4.07	3.46	4.68	
	nmol/L	4.88	4.15	5.61	Roche Cobas 6000
	ng/ml	3.81	3.24	4.38	
Ethosuximide	µmol/l	494	395	593	Gravimetric
	µg/ml	70.0	56.0	84.1	
Ferritin	ng/ml = µg/l	319	258	380	Abbott AXSYM
	ng/ml = µg/l	290	218	362	bioMerieux Vidas
	ng/ml = µg/l	273	232	314	Siemens Immulite 1000
	ng/ml = µg/l	309	263	355	Roche Elecsys
	ng/ml = µg/l	233	198	268	Beckman Access
	ng/ml = µg/l	219	186	252	Vitros ECi
	ng/ml = µg/l	286	243	329	Siemens Advia Centaur
	ng/ml = µg/l	279	237	321	Siemens Immulite 2000/2500
	ng/ml = µg/l	345	293	397	Abbott Architect
	ng/ml = µg/l	338	273	403	Diasorin Liaison
	ng/ml = µg/l	307	261	353	Roche Modular E170
	ng/ml = µg/l	291	247	335	Siemens Dimension
	ng/ml = µg/l	222	189	255	Beckman DxI800
	ng/ml = µg/l	314	267	361	Roche Cobas E411
	ng/ml = µg/l	306	260	352	Roche Cobas 6000
ng/ml = µg/l	278	248	308	Pishtaz Teb- ELISA	
Folate	nmol/l	40.4	34.2	46.6	Abbott AXSYM
	ng/ml	17.8	15.1	20.5	
	nmol/l	35.6	30.3	40.9	Beckman Access
	ng/ml	15.7	13.4	18.0	
	nmol/l	33.0	26.5	39.5	Siemens Immulite 1000
	ng/ml	14.6	11.7	17.5	
	nmol/l	48.9	37.2	60.6	Roche Elecsys
	ng/ml	21.6	16.4	26.8	
	nmol/l	35.2	29.9	40.5	Siemens Immulite 2000
	ng/ml	15.5	13.2	17.8	
	nmol/l	23.6	20.1	27.1	Vitros ECi
	ng/ml	10.4	8.86	11.9	
	nmol/l	41.9	35.6	48.2	Abbott Architect
	ng/ml	18.5	15.7	21.3	
	nmol/l	48.7	40.6	56.8	Roche Modular E170
	ng/ml	21.5	17.9	25.1	
	nmol/l	66.1	49.6	82.6	Bayer ADVIA Centaur (enhanced kit)
	ng/ml	29.2	21.9	36.5	
	nmol/l	37.1	31.5	42.7	Beckman DxI800
	ng/ml	16.4	13.9	18.9	
nmol/l	49.7	39.5	59.9	Roche Cobas 6000	
ng/ml	21.9	17.4	26.4		
nmol/l	44.8	38.1	51.5	Abbott Architect restandardised	
ng/ml	19.8	16.8	22.8		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T3	pmol/l	25.8	21.1	30.5	Abbott AXSYM
	ng/dl	1.68	1.37	1.99	
	pg/ml	16.8	13.7	19.9	
	pmol/l	23.6	20.1	27.1	bioMerieux Vidas
	ng/dl	1.53	1.31	1.75	
	pg/ml	15.4	13.1	17.7	
	pmol/l	27.1	23.0	31.2	Roche Elecsys
	ng/dl	1.76	1.50	2.02	
	pg/ml	17.6	15.0	20.2	
	pmol/l	21.0	17.9	24.1	Beckman Access
	ng/dl	1.37	1.16	1.58	
	pg/ml	13.7	11.7	15.7	
	pmol/l	16.6	13.8	19.4	Siemens Immulite 1000
	ng/dl	1.08	0.897	1.26	
	pg/ml	10.8	8.98	12.6	
	pmol/l	35.0	29.8	40.2	Vitros ECi
	ng/dl	2.28	1.94	2.62	
	pg/ml	22.8	19.4	26.2	
	pmol/l	20.8	17.7	23.9	Siemens Advia Centaur
	ng/dl	1.35	1.15	1.55	
	pg/ml	13.5	11.5	15.5	
	pmol/l	16.9	14.4	19.4	Siemens Immulite 2000/2500
	ng/dl	1.10	0.936	1.26	
	pg/ml	11.0	9.37	12.6	
	pmol/l	24.7	21.0	28.4	Abbott Architect
	ng/dl	1.61	1.37	1.85	
	pg/ml	16.1	13.7	18.5	
	pmol/l	30.1	25.6	34.6	Diasorin Liaison
	ng/dl	1.96	1.66	2.26	
	pg/ml	19.6	16.7	22.5	
pmol/l	27.0	23.0	31.0	Roche Modular E170	
ng/dl	1.76	1.50	2.02		
pg/ml	17.6	15.0	20.2		
pmol/l	19.3	15.5	23.1	Beckman DxI800	
ng/dl	1.25	1.01	1.49		
pg/ml	12.6	10.1	15.1		
pmol/l	26.9	22.9	30.9	Roche Cobas E411	
ng/dl	1.75	1.49	2.01		
pg/ml	17.5	14.9	20.1		
pmol/l	27.3	23.2	31.4	Roche Cobas 6000	
ng/dl	1.77	1.51	2.03		
pg/ml	17.8	15.1	20.5		
pmol/l	13.1	11.3	14.9	Pishtaz Teb- ELISA	
ng/dl	0.860	0.740	0.980		
pg/ml	8.60	7.40	9.80		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T4	pmol/l	37.8	32.1	43.5	Abbott AXSYM
	ng/dl	2.95	2.50	3.40	
	pg/ml	29.5	25.0	34.0	
	pmol/l	46.3	39.4	53.2	bioMerieux Vidas
	ng/dl	3.61	3.07	4.15	
	pg/ml	36.1	30.7	41.5	
	pmol/l	63.2	51.8	74.6	Siemens Immulite 1000
	ng/dl	4.93	4.04	5.82	
	pg/ml	49.3	40.4	58.2	
	pmol/l	61.9	52.6	71.2	Roche Elecsys
	ng/dl	4.83	4.10	5.56	
	pg/ml	48.3	41.0	55.6	
	pmol/l	48.4	41.1	55.7	Beckman Access
	ng/dl	3.78	3.21	4.35	
	pg/ml	37.8	32.1	43.5	
	pmol/l	67.7	57.5	77.9	Tosoh
	ng/dl	5.28	4.49	6.07	
	pg/ml	52.8	44.9	60.7	
	pmol/l	90.2	76.7	104	Vitros ECi
	ng/dl	7.04	5.98	8.10	
	pg/ml	70.4	59.8	81.0	
	pmol/l	45.7	38.8	52.6	Siemens Advia Centaur
	ng/dl	3.56	3.03	4.09	
	pg/ml	35.6	30.3	40.9	
	pmol/l	63.7	52.6	74.8	Siemens Immulite 2000/2500
	ng/dl	4.97	4.10	5.84	
	pg/ml	49.7	41.0	58.4	
	pmol/l	59.2	50.1	68.3	Abbott Architect
	ng/dl	4.62	3.91	5.33	
	pg/ml	46.2	39.1	53.3	
pmol/l	90.1	76.6	104	Diasorin Liaison	
ng/dl	7.03	5.97	8.09		
pg/ml	70.3	59.7	80.9		
pmol/l	62.2	52.9	71.5	Roche Modular E170	
ng/dl	4.85	4.13	5.57		
pg/ml	48.5	41.3	55.7		
pmol/l	51.7	43.9	59.5	Beckman DxI800	
ng/dl	4.03	3.42	4.64		
pg/ml	40.3	34.2	46.4		
pmol/l	62.7	53.3	72.1	Roche Cobas 6000	
ng/dl	4.89	4.16	5.62		
pg/ml	48.9	41.6	56.2		
pmol/l	63.4	53.9	72.9	Roche Cobas E411	
ng/dl	4.95	4.20	5.70		
pg/ml	49.5	42.0	57.0		
pmol/l	75.3	58.7	91.8	Pishtaz Teb- ELISA	
ng/dl	5.90	4.60	7.20		
pg/ml	59.0	46.0	72.0		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
Free Testosterone	pmol/L	57.9	43.4	72.4	Siemens Coat-a-Count
	pg/mL	16.6	12.5	20.8	
FSH	mU/ml	63.7	54.1	73.3	Siemens Immulite 1000
	mU/ml	78.9	67.1	90.7	bioMerieux Vidas
	mU/ml	59.5	50.6	68.4	Abbott AXSYM
	mU/ml	71.8	61.0	82.6	Beckman Access
	mU/ml	61.8	52.5	71.1	Roche/BM Elecsys
	mU/ml	55.1	46.8	63.4	Vitros ECi
	mU/ml	70.6	60.0	81.2	Siemens Advia Centaur
	mU/ml	64.1	54.5	73.7	Siemens Immulite 2000/2500
	mU/ml	52.3	44.5	60.1	Abbott Architect
	mU/ml	79.3	64.6	94.0	Diasorin Liaison
	mU/ml	57.8	49.1	66.5	Roche Modular E170
	mU/ml	74.5	63.3	85.7	Beckman DxI800
	mU/ml	62.5	53.1	71.9	Roche Cobas E411
	mU/ml	59.0	50.2	67.8	Roche Cobas 6000
	mU/ml	95.0	86.0	104	Pishtaz Teb- ELISA
Gentamicin	µmol/l	11.6	9.86	13.3	Abbott AXSYM
	µg/ml	5.54	4.71	6.37	
Growth Hormone (GH)	µU/ml	88.5	69.4	108	Siemens Immulite 1000
	µU/ml	66.6	52.3	80.9	Siemens Immulite 2000/2500
Human Chorionic Gonadotrophin (hCG)	mU/ml=U/L	413	351	475	Abbott AXSYM
	mU/ml=U/L	475	404	546	bioMerieux Vidas
	mU/ml=U/L	555	469	641	Siemens Immulite 1000
	mU/ml=U/L	368	313	423	Roche Elecsys HCG + Beta
	mU/ml=U/L	287	244	330	Beckman Access
	mU/ml=U/L	503	428	578	Vitros ECi
	mU/ml=U/L	274	233	315	Siemens Advia Centaur
	mU/ml=U/L	601	511	691	Siemens Immulite 2000
	mU/ml=U/L	315	268	362	Abbott Architect
	mU/ml=U/L	292	248	336	Diasorin Liaison
	mU/ml=U/L	363	309	417	Roche Modular E170
	mU/ml=U/L	483	411	555	Siemens Dimension
	mU/ml=U/L	280	238	322	Beckman DxI800
	mU/ml=U/L	393	334	452	Roche Elecsys HCG STAT Intact
	mU/ml=U/L	377	320	434	Roche Cobas E411
mU/ml=U/L	358	304	412	Roche Cobas 6000	
mU/ml=U/L	503	447	559	Pishtaz Teb- ELISA	
Immunoglobulin E	KIU/l = IU/ml	69.9	59.4	80.4	Siemens Immulite 1000
	KIU/l = IU/ml	59.1	49.3	68.9	bioMerieux Vidas
	KIU/l = IU/ml	64.6	52.3	76.9	Pharmacia Unicap
	KIU/l = IU/ml	72.2	61.4	83.0	Roche Elecsys
	KIU/l = IU/ml	61.4	50.0	72.8	Tosoh
	KIU/l = IU/ml	60.8	51.7	69.9	Siemens Advia Centaur

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Immunglobulin E	KIU/l = IU/ml	70.6	57.5	83.7	Siemens Immulite 2000/2500
	KIU/l = IU/ml	70.4	59.8	81.0	Roche Modular E170
	KIU/l = IU/ml	56.4	47.9	64.9	Abbott Architect
	KIU/l = IU/ml	70.7	60.1	81.3	Roche Cobas E411
	KIU/l = IU/ml	71.2	60.5	81.9	Roche Cobas 6000
	KIU/l = IU/ml	50.0	43.0	57.0	Pishtaz Teb- ELISA
Insulin	mU/l	17.3	14.7	19.9	Siemens Advia Centaur
	mU/l	19.4	16.5	22.3	Abbott AXSYM
	mU/l	6.56	5.18	7.94	Siemens Immulite 1000
	mU/l	19.4	16.5	22.3	Roche Modular E170
	mU/l	19.3	16.4	22.2	Roche Elecsys
	mU/l	16.8	14.3	19.3	Abbott Architect
	mU/l	19.7	16.7	22.7	Roche Cobas E411
	mU/l	19.3	16.4	22.2	Roche Cobas 6000
Luteinising Hormone (LH)	mU/ml	57.5	48.5	66.5	Abbott AXSYM
	mU/ml	46.3	38.9	53.7	Beckman Access
	mU/ml	51.6	43.9	59.3	bioMerieux Vidas
	mU/ml	63.2	53.7	72.7	Siemens Immulite 1000
	mU/ml	52.8	44.9	60.7	Tosoh
	mU/ml	54.0	45.9	62.1	Roche Elecsys
	mU/ml	56.3	47.9	64.7	Vitros ECi
	mU/ml	58.6	49.8	67.4	Siemens Advia Centaur
	mU/ml	61.9	52.6	71.2	Siemens Immulite 2000
	mU/ml	47.0	40.0	54.0	Abbott Architect
	mU/ml	61.7	52.4	71.0	Diasorin Liaison
	mU/ml	54.4	46.2	62.6	Roche Modular E170
	mU/ml	45.5	38.7	52.3	Beckman Dxl800
	mU/ml	54.0	45.9	62.1	Roche Cobas E411
	mU/ml	54.8	46.6	63.0	Roche Cobas 6000
mU/ml	45.0	39.0	51.0	Pishtaz Teb- ELISA	
Oestradiol	pmol/l	768	630	906	Abbott AXSYM
	pg/ml	209	171	247	
	pmol/l	2670	2270	3070	bioMerieux Vidas
	pg/ml	726	617	835	
	pmol/l	2110	1509	2711	Siemens Immulite 1000
	pg/ml	574	410	738	
	pmol/l	1496	1272	1720	Roche Elecsys
	pg/ml	407	346	468	
	pmol/l	2070	1760	2380	Vitros ECi
	pg/ml	563	479	647	
	pmol/l	2497	2122	2872	Beckman Access
	pg/ml	679	577	781	
pmol/l	891	632	1150	Siemens Advia Centaur	
pg/ml	242	172	312		
pmol/l	2022	1687	2357	Siemens Immulite 2000/2500	
pg/ml	550	459	641		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Oestradiol	pmol/l	1065	905	1225	Abbott Architect
	pg/ml	290	246	334	
	pmol/l	1530	1301	1759	Roche Modular E170
	pg/ml	416	354	478	
	pmol/l	2571	2104	3038	Beckman DxI800
	pg/ml	699	572	826	
	pmol/l	1529	1300	1758	Roche Cobas 6000
	pg/ml	416	354	478	
	pmol/l	1460	1241	1679	Roche Cobas E411
	pg/ml	397	338	456	
Paracetamol	mmol/l	0.548	0.466	0.630	Abbott AXSYM
	mg/l	82.9	70.5	95.3	
Parathyroid Hormone (PTH)	pmol/l	43.6	30.8	56.4	Siemens Advia Centaur
	pg/ml	414	293	535	
	pmol/l	39.5	31.6	47.4	Siemens Immulite 1000
	pg/ml	375	300	450	
	pmol/l	49.5	35.9	63.1	Siemens Immulite 2000
	pg/ml	470	341	599	
	pmol/l	26.6	20.7	32.5	Roche Elecsys
	pg/ml	253	197	309	
	pmol/l	23.8	19.2	28.4	Roche Modular E170
	pg/ml	226	182	270	
	pmol/l	40.6	34.5	46.7	Abbott Architect
	pg/ml	386	328	444	
	pmol/l	23.9	19.1	28.7	Roche Cobas 6000
	pg/ml	227	181	273	
	pmol/l	30.2	25.7	34.7	Beckman DxI800
	pg/ml	287	244	330	
Phenytoin	µmol/l	92.3	67.8	117	Siemens Advia Centaur
	µg/ml	23.3	17.1	29.5	
	µmol/l	80.9	68.8	93.0	Abbott AXSYM
	µg/ml	20.4	17.4	23.4	
	µmol/l	72.7	61.8	83.6	Vitros
	µg/ml	18.4	15.6	21.2	
	µmol/l	80.8	68.7	92.9	Siemens Immulite 1000
	µg/ml	20.4	17.3	23.5	
Primidone	µmol/l	80.0	68.0	92.0	Roche Integra
	µg/ml	20.2	17.2	23.2	
	µmol/l	80.9	68.8	93.0	Abbott Architect
	µg/ml	20.4	17.4	23.4	
Primidone	µmol/l	32.7	26.2	39.2	Gravimetric
	µg/ml	7.14	5.72	8.56	
Progesterone	nmol/l	128	96.0	160	Beckman Access
	ng/ml	40.1	30.0	50.2	

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Progesterone	nmol/l	112	93.5	131	Abbott AXSYM
	ng/ml	35.1	29.3	40.9	
	nmol/l	160	136	184	bioMerieux Vidas
	ng/ml	50.1	42.6	57.6	
	nmol/l	131	111	151	Roche Elecsys
	ng/ml	41.0	34.7	47.3	
	nmol/l	122	104	140	Vitros ECi
	ng/ml	38.2	32.6	43.8	
	nmol/l	100	85.0	115	Siemens Advia Centaur
	ng/ml	31.3	26.6	36.0	
	nmol/l	93.2	79.2	107	Siemens Immulite 2000/2500
	ng/ml	29.2	24.8	33.6	
	nmol/l	109	83.0	135	Abbott Architect
	ng/ml	34.1	26.0	42.2	
	nmol/l	129	110	148	Roche Modular E170
	ng/ml	40.4	34.4	46.4	
	nmol/l	121	103	139	Beckman DxI800
	ng/ml	37.9	32.2	43.6	
nmol/l	134	114	154	Roche Cobas E411	
ng/ml	41.9	35.7	48.1		
nmol/l	129	110	148	Roche Cobas 6000	
ng/ml	40.4	34.4	46.4		
Prolactin	µU/ml	928	789	1067	Beckman Access
	µU/ml	1240	1054	1426	Abbott AXSYM
	µU/ml	1381	1150	1612	bioMerieux Vidas
	µU/ml	1060	901	1219	Siemens Immulite 1000
	µU/ml	1397	1042	1752	Tosoh
	µU/ml	1180	1003	1357	Roche Elecsys
	µU/ml	1035	880	1190	Vitros ECi
	µU/ml	931	778	1084	Siemens Advia Centaur
	µU/ml	992	843	1141	Siemens Immulite 2000/2500
	µU/ml	1285	1092	1478	Abbott Architect
	µU/ml	1031	876	1186	Diasorin Liaison
	µU/ml	1198	1018	1378	Roche Modular E170
	µU/ml	937	796	1078	Beckman DxI800
	µU/ml	1185	1007	1363	Roche Modular E170 2nd Gen prolactin II
	µU/ml	1205	1024	1386	Roche Elecsys 2nd Gen. prolactin II
	µU/ml	1177	1000	1354	Roche Cobas E411
	µU/ml	1188	1010	1366	Roche Cobas 6000
µU/ml	1600	1420	1780	Pishtaz Teb- ELISA	
PSA Free	ng/ml = µg/l	13.3	11.3	15.3	Siemens Immulite 1000
	ng/ml = µg/l	13.2	11.2	15.2	Siemens Immulite 2000/2500
	ng/ml = µg/l	12.3	10.4	14.2	Abbott Axsym - monoclonal
	ng/ml = µg/l	15.1	12.8	17.4	Roche Elecsys
	ng/ml = µg/l	14.3	12.2	16.4	Abbott Architect

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
PSA Free	ng/ml = µg/l	19.2	16.3	22.1	Beckman Access (Hybritech)
	ng/ml = µg/l	15.5	13.2	17.8	Siemens Advia Centaur
	ng/ml = µg/l	15.1	12.8	17.4	Roche Modular E170
	ng/ml = µg/l	19.0	16.0	22.0	Beckman Dxl800
	ng/ml = µg/l	14.9	12.7	17.1	Roche Cobas E411
	ng/ml = µg/l	14.5	12.3	16.7	Roche Cobas 6000
PSA Total	ng/ml = µg/l	13.5	11.5	15.5	Abbott Axsym - polyclonal
	ng/ml = µg/l	13.9	11.8	16.0	Abbott Axsym - monoclonal
	ng/ml = µg/l	16.9	14.4	19.4	bioMerieux Vidas
	ng/ml = µg/l	17.2	14.6	19.8	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	18.1	15.4	20.8	Roche Elecsys
	ng/ml = µg/l	12.6	10.7	14.5	Tosoh
	ng/ml = µg/l	17.6	15.0	20.2	Beckman Access-non-standardised results
	ng/ml = µg/l	15.0	12.8	17.2	Bayer ADVIA Centaur (equimolar)
	ng/ml = µg/l	17.8	15.1	20.5	bioMerieux VIDAS TPSA
	ng/ml = µg/l	15.2	12.9	17.5	Siemens Advia Centaur
	ng/ml = µg/l	15.5	13.2	17.8	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	15.7	13.3	18.1	Abbott Architect
	ng/ml = µg/l	13.5	10.1	16.9	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	13.2	10.8	15.6	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	7.40	6.29	8.51	Vitros ECi
	ng/ml = µg/l	8.63	7.08	10.2	Diasorin Liaison
	ng/ml = µg/l	18.1	15.4	20.8	Roche Modular E170
	ng/ml = µg/l	16.8	14.3	19.3	Beckman Dxl800 non-standardised
	ng/ml = µg/l	17.6	15.0	20.2	Beckman Dxl800 standardised to IRP96/670
	Salicylic Acid	mmol/l	2.86	2.29	3.43
mg/dl		39.5	31.6	47.4	
SHBG	nmol/l	48.0	36.0	60.0	Siemens Immulite 1000
	nmol/l	36.3	30.9	41.7	Siemens Immulite 2000/2500
	nmol/l	39.7	30.7	48.7	Roche Elecsys
	nmol/l	40.2	34.2	46.2	Roche Modular E170
	nmol/l	39.7	33.7	45.7	Roche Cobas E411
	nmol/l	40.0	33.9	46.1	Roche Cobas 6000
T Uptake	%U	47.0	43.0	51.0	Pishtaz Teb- ELISA
	%U	47.2	38.7	55.7	Siemens Immulite 1000
Testosterone	nmol/l	34.0	28.9	39.1	Abbott AXSYM
	ng/ml	9.79	8.32	11.3	
	ng/dl	979	832	1126	
	nmol/l	52.8	44.9	60.7	Siemens Immulite 1000
	ng/ml	15.2	12.9	17.5	
	ng/dl	1521	1293	1749	
	nmol/l	37.3	31.6	43.0	Roche Elecsys
	ng/dl	1074	910	1238	

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
Testosterone	nmol/l	41.5	34.1	48.9	Vitros ECI
	ng/ml	12.0	9.82	14.2	
	ng/dl	1195	982	1408	
	nmol/l	27.4	23.3	31.5	Siemens Advia Centaur
	ng/ml	7.89	6.71	9.07	
	ng/dl	789	671	907	
	nmol/l	49.4	41.4	57.4	Siemens Immulite 2000/2500
	ng/ml	14.2	11.9	16.5	
	ng/dl	1423	1192	1654	
	nmol/l	36.7	31.2	42.2	Abbott Architect
	ng/ml	10.6	8.99	12.2	
	ng/dl	1057	899	1215	
	nmol/l	43.6	35.5	51.7	bioMerieux Vidas
	ng/ml	12.6	10.2	15.0	
	ng/dl	1256	1022	1490	
	nmol/l	30.5	25.9	35.1	Beckman Access
	ng/ml	8.78	7.46	10.1	
	ng/dl	878	746	1010	
	nmol/l	39.9	33.9	45.9	Roche Modular E170
	ng/ml	11.5	9.76	13.2	
ng/dl	1149	976	1322		
nmol/l	42.3	36.0	48.6	Tosoh	
ng/ml	12.2	10.4	14.0		
ng/dl	1218	1037	1399		
nmol/l	27.7	23.5	31.9	Beckman DxI800	
ng/ml	7.98	6.77	9.19		
ng/dl	798	677	919		
nmol/l	38.2	32.5	43.9	Roche Cobas E411	
ng/ml	11.0	9.36	12.6		
ng/dl	1100	936	1264		
nmol/l	38.1	32.4	43.8	Roche Cobas 6000	
ng/ml	11.0	9.33	12.7		
ng/dl	1097	933	1261		
Theophylline	µmol/l	160	136	184	Abbott AXSYM
	µg/ml	28.8	24.5	33.1	
	µmol/l	160	134	186	Roche Integra
Thyroglobulin	µg/ml	28.8	24.1	33.5	
	ng/ml	44.2	37.6	50.8	Siemens Immulite 1000
	ng/ml	36.7	29.5	43.9	Siemens Immulite 2000
	ng/ml	76.2	64.4	88.0	Roche Elecsys
	ng/ml	75.2	63.6	86.8	Roche Modular E170
	ng/ml	75.0	63.8	86.2	Roche Cobas E411
Thyroid Stimulating Hormone	ng/ml	69.2	58.8	79.6	Roche Cobas 6000
	µU/ml = mIU/l	19.1	15.2	23.0	Abbott AxSYM Ultrasensitive hTSH II
	µU/ml = mIU/l	24.3	20.7	27.9	bioMerieux VIDAS TSH

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Thyroid Stimulating Hormone	µU/ml = mIU/l	21.6	18.4	24.8	Siemens Immulite 1000
	µU/ml = mIU/l	21.1	17.9	24.3	Roche Elecsys
	µU/ml = mIU/l	19.7	16.7	22.7	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	25.3	21.5	29.1	Tosoh
	µU/ml = mIU/l	31.4	26.7	36.1	Vitros ECi
	µU/ml = mIU/l	21.0	17.9	24.1	Siemens Advia Centaur
	µU/ml = mIU/l	21.8	18.5	25.1	Siemens Immulite 2000/2500
	µU/ml = mIU/l	18.9	16.1	21.7	Abbott Architect Ultrasensitive hTSH II
	µU/ml = mIU/l	21.1	14.9	27.3	Abbott AxSYM 3rd generation
	µU/ml = mIU/l	24.1	20.5	27.7	Diasorin Liaison
	µU/ml = mIU/l	21.3	18.1	24.5	Roche Modular E170
	µU/ml = mIU/l	21.7	18.4	25.0	Siemens Dimension
	µU/ml = mIU/l	22.0	16.9	27.1	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	19.4	15.9	22.9	Beckman DxI800
	µU/ml = mIU/l	19.0	16.2	21.8	Beckman DxI800 Fast TSH
	µU/ml = mIU/l	21.0	17.2	24.8	Bayer Advia Centaur 3rd Generation
	µU/ml = mIU/l	20.5	17.4	23.6	Beckman Coulter AU3000i
	µU/ml = mIU/l	21.7	18.4	25.0	Roche Cobas E411
	µU/ml = mIU/l	21.0	17.9	24.1	Roche Cobas 6000
	µU/ml = mIU/l	20.3	17.1	23.5	Beckman DxI800 Hyper TSH
µU/ml = mIU/l	28.7	25.6	31.8	Pishtaz Teb- ELISA	
Tobramycin	µmol/l	10.3	8.24	12.4	Gravimetric
	µg/ml	4.82	3.86	5.80	
Total T3	nmol/l	7.43	6.32	8.54	Abbott AXSYM
	ng/ml	4.84	4.11	5.57	
	ng/dl	484	411	557	
	nmol/l	5.93	5.04	6.82	bioMerieux Vidas
	ng/ml	3.86	3.28	4.44	
	ng/dl	386	328	444	
	nmol/l	7.00	5.95	8.05	Siemens Immulite 1000
	ng/ml	4.56	3.87	5.25	
	ng/dl	456	387	525	
	nmol/l	6.38	5.26	7.50	Roche Elecsys
	ng/ml	4.15	3.42	4.88	
	ng/dl	415	342	488	
	nmol/l	6.06	5.15	6.97	Beckman Access
	ng/ml	3.95	3.35	4.55	
	ng/dl	395	335	455	
	nmol/l	6.09	5.18	7.00	Tosoh
	ng/ml	3.96	3.37	4.55	
	ng/dl	396	337	455	
nmol/l	7.79	6.58	9.00	Siemens Advia Centaur	
ng/ml	5.07	4.28	5.86		
ng/dl	507	428	586		
nmol/l	6.21	5.28	7.14	Siemens Immulite 2000/2500	
ng/ml	4.04	3.44	4.64		
ng/dl	404	344	464		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T3	nmol/l	5.52	4.69	6.35	Abbott Architect
	ng/ml	3.59	3.05	4.13	
	ng/dl	359	305	413	
	nmol/l	7.10	6.04	8.16	Vitros ECi
	ng/ml	4.62	3.93	5.31	
	ng/dl	462	393	531	
	nmol/l	6.27	5.33	7.21	Roche Modular E170
	ng/ml	4.08	3.47	4.69	
	ng/dl	408	347	469	
	nmol/l	6.28	5.34	7.22	Beckman DxI800
	ng/ml	4.09	3.48	4.70	
	ng/dl	409	348	470	
	nmol/l	6.38	5.34	7.42	Roche Cobas E411
	ng/ml	4.15	3.48	4.82	
	ng/dl	415	348	482	
nmol/l	6.47	5.50	7.44	Roche Cobas 6000	
ng/ml	4.21	3.58	4.84		
ng/dl	421	358	484		
nmol/l	4.30	3.60	5.00	Pishtaz Teb- ELISA	
ng/ml	2.80	2.30	3.30		
ng/dl	280	230	330		
Total T4	nmol/l	190	145	235	Vitros ECi
	µg/dl	14.8	11.3	18.3	
	ng/ml	148	113	183	
	nmol/l	194	165	223	Abbott AXSYM
	µg/dl	15.1	12.9	17.3	
	ng/ml	151	129	173	
	nmol/l	201	171	231	bioMerieux Vidas
	µg/dl	15.7	13.3	18.1	
	ng/ml	157	133	181	
	nmol/l	206	172	240	Siemens Immulite 1000
	µg/dl	16.1	13.4	18.8	
	ng/ml	161	134	188	
	nmol/l	176	150	202	Roche Elecsys
	µg/dl	13.7	11.7	15.7	
	ng/ml	137	117	157	
	nmol/l	177	129	225	Tosoh
	µg/dl	13.8	10.1	17.5	
	ng/ml	138	101	175	
nmol/l	195	166	224	Siemens Advia Centaur	
µg/dl	15.2	12.9	17.5		
ng/ml	152	129	175		
nmol/l	194	165	223	Siemens Immulite 2000/2500	
µg/dl	15.1	12.9	17.3		
ng/ml	151	129	173		

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T4	nmol/l	241	205	277	Abbott Architect
	µg/dl	18.8	16.0	21.6	
	ng/ml	188	160	216	
	nmol/l	170	145	195	Roche Modular E170
	µg/dl	13.3	11.3	15.3	
	ng/ml	133	113	153	
	nmol/l	171	145	197	Roche Cobas E411
	µg/dl	13.3	11.3	15.3	
	ng/ml	133	113	153	
	nmol/l	173	147	199	Roche Cobas 6000
	µg/dl	13.5	11.5	15.5	
	ng/ml	135	115	155	
nmol/l	235	197	273	Pishtaz Teb- ELISA	
µg/dl	18.4	15.4	21.4		
ng/ml	184	154	214		
Valproic Acid	µmol/l	940	799	1081	Abbott AXSYM
	µg/ml	136	115	157	
	µmol/l	1012	860	1164	Siemens Immulite 1000
	µg/ml	146	124	168	
	µmol/l	952	809	1095	Roche Integra
	µg/ml	137	117	157	
	µmol/l	1029	875	1183	Siemens Immulite 2000/2500
	µg/ml	148	126	170	
	µmol/l	908	772	1044	Siemens Advia Centaur
	µg/ml	131	111	151	
	µmol/l	966	821	1111	Vitros
	µg/ml	139	118	160	
	µmol/l	906	770	1042	Siemens Dimension
	µg/ml	131	111	151	
µmol/l	911	773	1049	Abbott Architect	
µg/ml	131	112	150		
µmol/l	1051	893	1209	Roche Cobas 6000	
µg/ml	152	129	175		
Vancomycin	µmol/l	11.2	9.52	12.9	Abbott AXSYM
	µg/ml	16.6	14.1	19.1	
	µmol/l	10.8	8.64	13.0	Gravimetric
µg/ml	16.0	12.8	19.3		
Vitamin B12	pmol/l	1055	739	1371	Abbott AXSYM
	pg/ml	1430	1001	1859	
	pmol/l	1045	888	1202	Roche Elecsys
	pg/ml	1416	1203	1629	
	pmol/l	1007	844	1170	Beckman Access
	pg/ml	1364	1144	1584	
	pmol/l	920	654	1186	Siemens Immulite 1000
	pg/ml	1247	886	1608	
	pmol/l	1110	944	1276	Siemens Advia Centaur
	pg/ml	1504	1279	1729	

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

Art.-Nr.: KG3111/KG3112 Ch.-B.: 857EC Inhalt: 12x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Vitamin B12	pmol/l	1202	1022	1382	Abbott Architect
	pg/ml	1629	1385	1873	
	pmol/l	1069	909	1229	Roche Modular E170
	pg/ml	1448	1232	1664	
	pmol/l	980	764	1196	Beckman DxI800
	pg/ml	1328	1035	1621	
	pmol/l	1021	868	1174	Roche Cobas E411
	pg/ml	1383	1176	1590	
	pmol/l	1076	915	1237	Roche Cobas 6000
	pg/ml	1458	1240	1676	