

**IMMUNOASSAY KONTROLLE****Art.- Nr.:****Level II      KG 2639    12 x 5 ml****Tri Level      KG 2633    12 x 5 ml****Level II      Ch.-B.:    859 EC****Verwendbar bis: 11/2012**

**BGT** Immunoassay Kontrollen sind lyophilisierte Kontrollseren humanen Ursprungs mit einer Vielzahl an Parametern in 3 Wertebereichen, die den klinischen Bereich abdecken.

**VORBEREITUNG**

Jede Flasche des lyophilisierten Serums vorsichtig mit genau **5 ml** destilliertem Wasser bei einer

Temperatur von +20° bis +25°C auflösen. Flasche mit Gummistopfen wieder verschließen und 30 Minuten stehen lassen. Durch leichtes Schwenken der Flasche überprüfen, ob der Inhalt komplett gelöst ist. Schaumbildung vermeiden. Flasche nicht schütteln.

**STABILITÄT**

Das lyophilisierte Serum ist unter ständiger Aufbewahrung bei +2 bis +8°C bis zum angegebenen Verfallsdatum haltbar. Nach Aufbereitung ist das Kontrollserum ohne bakterielle Kontamination 7 Tage bei +2°C bis +8°C oder 4 Wochen bei -20°C gefroren (nur einmal einfrieren!) stabil. Es sollte nur die benötigte Menge des Materials entnommen werden. Nach Gebrauch sollten etwaige Reste **NICHT IN DIE FLASCHE ZURÜCKGEGEBEN** werden. **Bitte beachten Sie, dass die Stabilität der Parameter CA 19-9 und CA 15-3 auf 1 Tag bei 2 – 8 C geändert wurde.**

**ANMERKUNGEN**

Bakterielle Kontamination des aufbereiteten Kontrollmaterials verringert die Stabilität vieler Komponenten. **Parathyroid hormone (PTH) und Thyroglobulin sollten innerhalb von 4 Stunden nach Rekonstitution**, bei +2° bis +8°C getestet werden.

**SICHERHEITSHINWEISE**

Das für dieses Produkt verwendete Material ist humanen Ursprungs und wurde auf Spenderebene auf Antikörper gegen Humanes Immunschwächevirus (HIV 1, HIV 2), Hepatitis B-Oberflächenantigen (HbsAg) und Hepatitis C-Virus (HCV) getestet und **NEGATIV** befundet. Jedoch ist keine Methode bekannt, die mit absoluter Sicherheit die Anwesenheit infektiösen Materials ausschließt, so daß dieses Material und alle Patientenproben als potenziell infektiöses Material zu behandeln sind, um jegliches Infektionsrisiko zu vermeiden.

Nur zur **in vitro**-Diagnostik

**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. 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. 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**

The Immunoassay Control 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 Control Tri Level: 12 x 5ml Level 1: 10 x 5ml

**MATERIAL REQUIRED BUT NOT PROVIDED**

Volumetric Pipette

**VALUE ASSIGNMENT**

Each batch of Immunoassay Control 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  $\pm 2$  S.D. This results in extremely accurate values, which may be confidently used by laboratories to ensure the accuracy of their methods.

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
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	
	pg/ml	185	157	213	
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 Dxl800	
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		

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
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	
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	
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	
	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		

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Cortisol	nmol/l	619	526	712	Roche Cobas 6000
	µg/dl	22.3	18.9	25.7	
	nmol/l	629	535	723	Roche Cobas E411
	µg/dl	22.6	19.3	25.9	
DHEA-S	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
	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

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Ferritin	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	
	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		

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T3	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	
	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		

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T4	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	7.60	
	pmol/l	21.2	15.9	26.5	DSL RIA
	pg/ml	6.08	4.56	7.60	
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
	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

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
FSH	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 Dxl800
	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 Dxl800
	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
	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	

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Insulin	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		
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	

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
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		
	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		

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Progesterone	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	
Prolactin	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	
	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
	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 DxI800
	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

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
PSA Total	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	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	1.06	1.44
mg/dl		17.3	14.6	20.0	
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	39.1	32.1	46.1	Siemens Immulite 1000
	%U	39.0	38.0	40.0	Pishtaz Teb- ELISA
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	
	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		

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Testosterone	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
	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	

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Thyroid Stimulating Hormone	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 DxI800
	µU/ml = mIU/l	2.67	2.27	3.07	Beckman DxI800 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 DxI800 Hyper TSH
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		
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 DxI800	
ng/ml	2.94	2.50	3.38		
ng/dl	294	250	338		

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
Total T3	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
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	

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T4	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	
	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		

# BGT

## IMMUNOASSAY PREMIUM LEVEL 2 (IA PREMIUM 2)

Art.-Nr.: KG2639/2633 Ch.-B.: 859EC Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

### Bereich

Parameter	Einheit	Zielwert	von	bis	Methoden
Vitamin B12	pmol/l	464	394	534	Roche Cobas 6000
	pg/ml	629	534	724	