

**IMMUNOASSAY KONTROLLE****Art.- Nr.:****Level II      KG 2639 10 x 5 ml****Tri Level     KG 2633 12 x 5 ml****Level II      Ch.-B.: 742 EC****Verwendbar bis: 11/2011**

**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

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Parameter	Einheit	Bereich			Methoden
		Zielwert	von	bis	
17-OH-Progesterone	nmol/l	22.1	16.6	27.6	Siemens Coat-a-Count
	ng/ml	7.32	5.49	9.15	
Alphafoetoprotein	KIU/l = IU/ml	47.3	38.6	56.0	Abbott AXSYM
	ng/ml	57.2	46.7	67.7	
	KIU/l = IU/ml	44.5	37.8	51.2	bioMerieux Vidas
	ng/ml	53.8	45.7	61.9	
	KIU/l = IU/ml	42.9	35.9	49.9	Siemens Immulite 1000
	ng/ml	51.9	43.4	60.4	
	KIU/l = IU/ml	48.7	41.4	56.0	Roche Elecsys
	ng/ml	58.9	50.1	67.7	
	KIU/l = IU/ml	46.9	39.9	53.9	Beckman Access
	ng/ml	56.7	48.3	65.1	
	KIU/l = IU/ml	45.2	37.1	53.3	Vitros ECI
	ng/ml	54.7	44.9	64.5	
	KIU/l = IU/ml	51.5	43.8	59.2	Siemens Advia Centaur
	ng/ml	62.3	53.0	71.6	
	KIU/l = IU/ml	45.0	38.3	51.7	Siemens Immulite 2000/2500
	ng/ml	54.5	46.3	62.7	
	KIU/l = IU/ml	48.0	40.8	55.2	Abbott Architect
	ng/ml	58.1	49.4	66.8	
	KIU/l = IU/ml	49.7	42.2	57.2	Roche Modular E170
	ng/ml	60.1	51.1	69.1	
KIU/l = IU/ml	47.8	40.6	55.0	Beckman DxI800	
ng/ml	57.8	49.1	66.5		
KIU/l = IU/ml	49.4	42.0	56.8	Roche Cobas 6000	
ng/ml	59.8	50.8	68.8		
KIU/l = IU/ml	51.5	43.8	59.2	Roche Cobas E411	
ng/ml	62.3	53.0	71.6		
KIU/l = IU/ml	51.5	43.2	59.7	Pishtaz Teb- ELISA	
ng/ml	62.0	52.0	72.0		
Beta-2-microglobulin	µg/ml = mg/l	3.56	2.89	4.23	Siemens Immulite 1000
	µg/ml = mg/l	3.47	2.77	4.17	bioMerieux Vidas
	µg/ml = mg/l	3.65	3.04	4.26	Roche Tinaquant
	µg/ml = mg/l	2.86	2.17	3.55	Abbott AXSYM
	µg/ml = mg/l	3.36	2.80	3.92	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.82	3.25	4.39	Abbott Architect
CA 15-3	U/ml	38.3	32.6	44.0	Roche Elecsys
	U/ml	34.7	29.5	39.9	bioMerieux Vidas
	U/ml	43.3	35.9	50.7	Siemens Advia Centaur
	U/ml	39.9	33.9	45.9	Abbott Architect
	U/ml	51.2	43.5	58.9	Siemens Immulite 2000/2500
	U/ml	36.9	31.4	42.4	Abbott AXSYM

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
CA 15-3	U/ml	38.1	32.4	43.8	Roche Modular E170
	U/ml	27.0	23.0	31.0	Beckman Dxl800
	U/ml	36.5	31.0	42.0	Roche Cobas 6000
	U/ml	38.0	32.3	43.7	Roche Cobas E411
CA 19-9	U/ml	81.9	67.0	96.8	Abbott AXSYM
	U/ml	82.3	70.0	94.6	Siemens Immulite 1000
	U/ml	95.6	81.3	110	bioMerieux Vidas
	U/ml	70.7	60.1	81.3	Roche Elecsys
	U/ml	121	103	139	Siemens Advia Centaur
	U/ml	84.6	64.9	104	Siemens Immulite 2000/2500
	U/ml	378	321	435	Abbott Architect
	U/ml	153	130	176	Vitros ECi
	U/ml	68.7	58.4	79.0	Roche Modular E170
	U/ml	92.7	78.8	107	Beckman Access
	U/ml	81.3	69.1	93.5	Beckman Dxl800
	U/ml	358	289	427	Abbott Architect XR kit
	U/ml	68.6	58.3	78.9	Roche Cobas 6000
	U/ml	72.6	61.7	83.5	Roche Cobas E411
CA125	U/ml	84.5	67.7	101	Abbott AXSYM
	U/ml	85.8	72.9	98.7	Siemens Immulite 1000
	U/ml	70.5	59.9	81.1	bioMerieux Vidas
	U/ml	78.9	67.1	90.7	Roche Elecsys
	U/ml	125	106	144	Tosoh
	U/ml	90.1	76.6	104	Bayer ADVIA Centaur OV kit
	U/ml	72.8	61.9	83.7	Siemens Immulite 2000/2500
	U/ml	75.2	63.9	86.5	Vitros ECi
	U/ml	111	94.4	128	Diasorin Liaison
	U/ml	78.1	66.4	89.8	Roche Modular E170
	U/ml	96.9	82.4	111	Abbott Architect
	U/ml	79.5	67.6	91.4	Bayer ADVIA Centaur CA125 II kit
	U/ml	73.1	62.1	84.1	Beckman Access
	U/ml	72.4	61.3	83.5	Beckman Dxl800
	U/ml	75.3	57.6	93.0	Roche Cobas E411
U/ml	77.2	65.6	88.8	Roche Cobas 6000	
Carbamazepine	µmol/l	33.0	25.8	40.2	Vitros
	µg/ml	7.80	6.10	9.50	
	µmol/l	38.0	32.3	43.7	Abbott AXSYM
	µg/ml	8.98	7.64	10.3	
	µmol/l	36.2	29.9	42.5	Siemens Advia Centaur
	µg/ml	8.56	7.07	10.1	
	µmol/l	46.3	39.4	53.2	Abbott TDx
	µg/ml	10.9	9.31	12.5	
	µmol/l	35.9	30.1	41.7	Siemens Immulite 1000
	µg/ml	8.49	7.12	9.86	
	µmol/l	44.8	38.1	51.5	Roche Integra
	µg/ml	10.6	9.01	12.2	

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Carbamazepine	µmol/l	32.4	27.5	37.3	Siemens Immulite 2000/2500
	µg/ml	7.66	6.50	8.82	
	µmol/l	40.0	34.0	46.0	Roche Modular E170
	µg/ml	9.46	8.04	10.9	
	µmol/l	40.3	34.3	46.3	Abbott Architect
	µg/ml	9.53	8.11	11.0	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	25.5	21.7	29.3	Abbott AXSYM
	ng/ml = µg/l	21.9	17.8	26.0	bioMerieux Vidas
	ng/ml = µg/l	34.1	29.0	39.2	Siemens Immulite 1000
	ng/ml = µg/l	22.1	18.8	25.4	Roche Elecsys
	ng/ml = µg/l	33.5	28.5	38.5	Tosoh
	ng/ml = µg/l	26.5	22.5	30.5	Vitros ECi
	ng/ml = µg/l	25.8	21.9	29.7	Beckman Access
	ng/ml = µg/l	25.5	21.7	29.3	Siemens Advia Centaur
	ng/ml = µg/l	32.3	27.5	37.1	Siemens Immulite 2000/2500
	ng/ml = µg/l	24.5	20.8	28.2	Abbott Architect
	ng/ml = µg/l	23.8	20.2	27.4	Diasorin Liaison
	ng/ml = µg/l	21.8	18.5	25.1	Roche Modular E170
	ng/ml = µg/l	24.2	20.6	27.8	Beckman DxI800
	ng/ml = µg/l	22.8	19.4	26.2	Roche Cobas 6000
	ng/ml = µg/l	21.9	18.6	25.2	Roche Cobas E411
ng/ml = µg/l	33.0	28.0	38.0	Pishtaz Teb- ELISA	
Cortisol	nmol/l	677	575	779	Abbott AXSYM
	µg/dl	24.4	20.7	28.1	
	nmol/l	546	452	640	bioMerieux Vidas
	µg/dl	19.7	16.3	23.1	
	nmol/l	694	583	805	Siemens Immulite 1000
	µg/dl	25.0	21.0	29.0	
	nmol/l	663	564	762	Roche Elecsys
	µg/dl	23.9	20.3	27.5	
	nmol/l	680	578	782	Siemens Advia Centaur
	µg/dl	24.5	20.8	28.2	
	nmol/l	643	547	739	Siemens Immulite 2000/2500
	µg/dl	23.1	19.7	26.5	
	nmol/l	568	460	676	Abbott Architect
	µg/dl	20.4	16.6	24.2	
	nmol/l	635	540	730	Roche Modular E170
µg/dl	22.9	19.4	26.4		
nmol/l	625	531	719	Beckman DxI800	
µg/dl	22.5	19.1	25.9		
nmol/l	646	549	743	Roche Cobas E411	
µg/dl	23.3	19.8	26.8		
DHEA-S	µmol/l	13.6	11.3	15.9	Siemens Immulite 1000
	µmol/l	13.9	11.8	16.0	Siemens Immulite 2000/2500
	µmol/l	17.8	14.8	20.8	Roche Elecsys
	µmol/l	17.9	14.6	21.2	Roche Modular E170

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
DHEA-S	µmol/l	18.3	15.6	21.0	Abbott Architect
	µmol/l	17.7	15.0	20.4	Roche Cobas 6000
Digoxin	nmol/L	3.50	2.82	4.18	Abbott AXSYM
	ng/ml	2.73	2.20	3.26	
	nmol/L	3.78	3.21	4.35	Vitros
	ng/ml	2.95	2.51	3.39	
	nmol/L	3.02	2.57	3.47	bioMerieux Vidas
	ng/ml	2.36	2.01	2.71	
	nmol/L	3.26	2.59	3.93	Roche Elecsys
	ng/ml	2.55	2.02	3.08	
	nmol/L	4.08	3.47	4.69	Siemens Immulite 2000/2500
	ng/ml	3.19	2.71	3.67	
	nmol/L	3.40	2.89	3.91	Siemens Advia Centaur
	ng/ml	2.66	2.26	3.06	
	nmol/L	3.64	3.09	4.19	Roche Modular E170
	ng/ml	2.84	2.41	3.27	
Ferritin	ng/ml = µg/l	82.2	69.8	94.6	Abbott AXSYM
	ng/ml = µg/l	72.6	54.5	90.7	bioMerieux Vidas
	ng/ml = µg/l	78.7	66.9	90.5	Siemens Immulite 1000
	ng/ml = µg/l	82.0	67.5	96.5	Roche Elecsys
	ng/ml = µg/l	59.6	48.2	71.0	Beckman Access
	ng/ml = µg/l	66.0	56.1	75.9	Tosoh
	ng/ml = µg/l	57.5	48.9	66.1	Vitros ECi
	ng/ml = µg/l	77.1	64.2	90.0	Siemens Advia Centaur
	ng/ml = µg/l	77.1	64.7	89.5	Siemens Immulite 2000/2500
	ng/ml = µg/l	82.4	70.0	94.8	Abbott Architect
	ng/ml = µg/l	82.7	70.3	95.1	Roche Modular E170
	ng/ml = µg/l	60.5	48.6	72.4	Beckman Dxl800
	ng/ml = µg/l	83.2	70.7	95.7	Roche Cobas 6000
	ng/ml = µg/l	60.0	44.0	76.0	Pishtaz Teb- ELISA
Folate	nmol/l	25.6	21.8	29.4	Abbott AXSYM
	ng/ml	11.3	9.61	13.0	
	nmol/l	20.3	16.6	24.0	Beckman Access
	ng/ml	8.95	7.32	10.6	
	nmol/l	29.1	22.9	35.3	Roche Elecsys
	ng/ml	12.8	10.1	15.5	
	nmol/l	19.9	16.5	23.3	Siemens Immulite 2000
	ng/ml	8.78	7.28	10.3	
	nmol/l	12.2	10.4	14.0	Vitros ECi
	ng/ml	5.38	4.59	6.17	
	nmol/l	23.2	19.7	26.7	Abbott Architect
	ng/ml	10.2	8.69	11.7	

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
Folate	nmol/l	29.4	25.0	33.8	Roche Modular E170	
	ng/ml	13.0	11.0	15.0		
	nmol/l	45.3	34.0	56.6	Bayer ADVIA Centaur (enhanced kit)	
	ng/ml	20.0	15.0	25.0		
	nmol/l	20.3	17.3	23.3	Beckman DxI800	
	ng/ml	8.95	7.63	10.3		
	nmol/l	23.3	19.8	26.8	Abbott Architect restandardised	
	ng/ml	10.3	8.73	11.9		
	Free T3	pmol/l	19.6	16.7	22.5	Tosoh
		ng/dl	1.27	1.09	1.45	
pg/ml		12.8	10.9	14.7		
pmol/l		15.8	13.0	18.6	Abbott AXSYM	
ng/dl		1.03	0.845	1.22		
pg/ml		10.3	8.46	12.1		
pmol/l		16.2	13.8	18.6	bioMerieux Vidas	
ng/dl		1.05	0.897	1.20		
pg/ml		10.5	8.98	12.0		
pmol/l		17.7	15.0	20.4	Roche Elecsys	
ng/dl		1.15	0.975	1.33		
pg/ml		11.5	9.77	13.2		
pmol/l		12.7	10.8	14.6	Beckman Access	
ng/dl		0.826	0.702	0.950		
pg/ml		8.27	7.03	9.51		
pmol/l		11.5	9.78	13.2	Siemens Immulite 1000	
ng/dl		0.748	0.636	0.860		
pg/ml		7.49	6.37	8.61		
pmol/l		25.6	21.8	29.4	Vitros ECi	
ng/dl		1.66	1.42	1.90		
pg/ml		16.7	14.2	19.2		
pmol/l		14.2	12.1	16.3	Siemens Advia Centaur	
ng/dl		0.923	0.787	1.06		
pg/ml		9.24	7.88	10.6		
pmol/l		12.2	10.4	14.0	Siemens Immulite 2000/2500	
ng/dl		0.793	0.676	0.910		
pg/ml		7.94	6.77	9.11		
pmol/l		15.3	13.0	17.6	Abbott Architect	
ng/dl		0.995	0.845	1.15		
pg/ml		10.0	8.46	11.5		
pmol/l	14.7	12.5	16.9	Diasorin Liaison		
ng/dl	0.956	0.813	1.10			
pg/ml	9.57	8.14	11.0			
pmol/l	17.3	14.7	19.9	Roche Modular E170		
ng/dl	1.12	0.956	1.28			
pg/ml	11.3	9.57	13.0			
pmol/l	18.2	12.8	23.6	Roche Cobas E411		
ng/dl	1.18	0.832	1.53			
pg/ml	11.8	8.33	15.3			

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Free T3	pmol/l	17.4	14.8	20.0	Roche Cobas 6000
	ng/dl	1.13	0.962	1.30	
	pg/ml	11.3	9.63	13.0	
	pmol/l	9.60	7.60	11.6	Pishtaz Teb- ELISA
	ng/dl	0.630	0.500	0.760	
	pg/ml	6.30	5.00	7.60	
Free T4	pmol/l	21.5	18.3	24.7	Abbott AXSYM
	ng/dl	1.68	1.43	1.93	
	pg/ml	16.8	14.3	19.3	
	pmol/l	30.3	25.6	35.0	bioMerieux Vidas
	ng/dl	2.36	2.00	2.72	
	pg/ml	23.6	20.0	27.2	
	pmol/l	34.6	29.4	39.8	Siemens Immulite 1000
	ng/dl	2.70	2.29	3.11	
	pg/ml	27.0	22.9	31.1	
	pmol/l	35.0	29.8	40.2	Roche Elecsys
	ng/dl	2.73	2.32	3.14	
	pg/ml	27.3	23.2	31.4	
	pmol/l	32.5	27.6	37.4	Beckman Access
	ng/dl	2.54	2.15	2.93	
	pg/ml	25.4	21.5	29.3	
	pmol/l	38.5	32.7	44.3	Tosoh
	ng/dl	3.00	2.55	3.45	
	pg/ml	30.0	25.5	34.5	
	pmol/l	48.8	41.5	56.1	Vitros ECI
	ng/dl	3.81	3.24	4.38	
	pg/ml	38.1	32.4	43.8	
	pmol/l	29.3	24.9	33.7	Siemens Advia Centaur
	ng/dl	2.29	1.94	2.64	
	pg/ml	22.9	19.4	26.4	
pmol/l	35.5	30.2	40.8	Siemens Immulite 2000/2500	
ng/dl	2.77	2.36	3.18		
pg/ml	27.7	23.6	31.8		
pmol/l	29.9	25.4	34.4	Abbott Architect	
ng/dl	2.33	1.98	2.68		
pg/ml	23.3	19.8	26.8		
pmol/l	51.1	43.4	58.8	Diasorin Liaison	
ng/dl	3.99	3.39	4.59		
pg/ml	39.9	33.9	45.9		
pmol/l	34.7	29.5	39.9	Roche Modular E170	
ng/dl	2.71	2.30	3.12		
pg/ml	27.1	23.0	31.2		
pmol/l	32.8	27.9	37.7	Beckman DxI800	
ng/dl	2.56	2.18	2.94		
pg/ml	25.6	21.8	29.4		

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Parameter	Einheit	Bereich			Methoden	
		Zielwert	von	bis		
Free T4	pmol/l	35.5	30.2	40.8	Roche Cobas 6000	
	ng/dl	2.77	2.36	3.18		
	pg/ml	27.7	23.6	31.8		
	pmol/l	36.7	31.2	42.2	Roche Cobas E411	
	ng/dl	2.86	2.43	3.29		
	pg/ml	28.6	24.3	32.9		
	pmol/l	44.0	38.0	50.0	Pishtaz Teb- ELISA	
	ng/dl	3.40	2.90	3.90		
	pg/ml	34.0	29.0	39.0		
	FSH	mU/ml	30.3	25.8	34.8	Tosoh
		mU/ml	26.4	22.4	30.4	Siemens Immulite 1000
		mU/ml	29.8	24.8	34.8	bioMerieux Vidas
mU/ml		23.4	19.9	26.9	Abbott AXSYM	
mU/ml		29.3	23.5	35.1	Beckman Access	
mU/ml		27.1	23.0	31.2	Roche/BM Elecsys	
mU/ml		21.2	18.0	24.4	Vitros ECi	
mU/ml		27.7	23.5	31.9	Siemens Advia Centaur	
mU/ml		27.7	23.5	31.9	Siemens Immulite 2000/2500	
mU/ml		23.1	19.6	26.6	Abbott Architect	
mU/ml		28.3	24.1	32.5	Diasorin Liaison	
mU/ml		24.5	20.8	28.2	Roche Modular E170	
mU/ml		29.8	25.3	34.3	Beckman DxI800	
mU/ml		26.9	22.7	31.1	Roche Cobas E411	
mU/ml		24.9	21.2	28.6	Roche Cobas 6000	
mU/ml	38.0	28.0	48.0	Pishtaz Teb- ELISA		
Growth Hormone (GH)	µU/ml	29.2	23.7	34.7	Siemens Immulite 1000	
	µU/ml	28.9	24.2	33.6	Siemens Immulite 2000/2500	
Human Chorionic Gonadotrophin (HCG)	mU/ml=U/L	29.8	25.0	34.6	Abbott AXSYM	
	mU/ml=U/L	30.7	26.1	35.3	bioMerieux Vidas	
	mU/ml=U/L	35.1	24.8	45.4	Siemens Immulite 1000	
	mU/ml=U/L	24.3	20.4	28.2	Roche Elecsys HCG + Beta	
	mU/ml=U/L	19.5	16.0	23.0	Beckman Access	
	mU/ml=U/L	32.0	27.2	36.8	Tosoh	
	mU/ml=U/L	35.0	29.8	40.2	Vitros ECi	
	mU/ml=U/L	20.9	17.8	24.0	Siemens Advia Centaur	
	mU/ml=U/L	39.8	33.8	45.8	Siemens Immulite 2000	
	mU/ml=U/L	19.4	16.2	22.6	Abbott Architect	
	mU/ml=U/L	23.3	19.8	26.8	Roche Modular E170	
	mU/ml=U/L	25.6	20.6	30.6	Roche Elecsys HCG STAT Intact	
	mU/ml=U/L	24.2	20.6	27.8	Roche Cobas E411	
	mU/ml=U/L	23.8	20.2	27.4	Roche Cobas 6000	
mU/ml=U/L	46.0	35.0	57.0	Pishtaz Teb- ELISA		
Immunoglobulin E	KIU/l = IU/ml	110	93.5	127	Siemens Immulite 1000	
	KIU/l = IU/ml	99.3	77.6	121	bioMerieux Vidas	
	KIU/l = IU/ml	98.6	83.2	114	Beckman Access	
	KIU/l = IU/ml	100	85.0	115	Pharmacia Unicap	

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Immunglobulin E	KIU/l = IU/ml	109	92.7	125	Roche Elecsys
	KIU/l = IU/ml	105	89.3	121	Tosoh
	KIU/l = IU/ml	100	85.0	115	Siemens Advia Centaur
	KIU/l = IU/ml	109	89.2	129	Siemens Immulite 2000/2500
	KIU/l = IU/ml	109	92.7	125	Roche Modular E170
	KIU/l = IU/ml	113	96.1	130	Roche Cobas E411
	KIU/l = IU/ml	109	92.7	125	Roche Cobas 6000
	KIU/l = IU/ml	100	80.0	120	Pishtaz Teb- ELISA
Insulin	mU/l	10.5	8.93	12.1	Siemens Advia Centaur
	mU/l	9.73	8.27	11.2	Abbott AXSYM
	mU/l	3.03	2.24	3.82	Siemens Immulite 1000
	mU/l	10.2	8.67	11.7	Roche Modular E170
	mU/l	10.0	8.50	11.5	Roche Elecsys
	mU/l	10.1	8.59	11.6	Roche Cobas E411
	mU/l	9.00	7.65	10.4	Roche Cobas 6000
Luteinising Hormone (LH)	mU/ml	38.3	32.3	44.3	Abbott AXSYM
	mU/ml	27.9	23.7	32.1	Beckman Access
	mU/ml	32.6	27.7	37.5	bioMerieux Vidas
	mU/ml	45.9	34.8	57.0	Siemens Immulite 1000
	mU/ml	36.2	30.8	41.6	Tosoh
	mU/ml	36.1	30.7	41.5	Roche Elecsys
	mU/ml	47.7	40.5	54.9	Vitros ECI
	mU/ml	38.5	32.7	44.3	Siemens Advia Centaur
	mU/ml	48.2	39.7	56.7	Siemens Immulite 2000
	mU/ml	33.3	28.3	38.3	Abbott Architect
	mU/ml	36.1	30.7	41.5	Roche Modular E170
	mU/ml	28.8	24.5	33.1	Beckman DxI800
	mU/ml	36.3	30.9	41.7	Roche Cobas E411
	mU/ml	35.7	30.3	41.1	Roche Cobas 6000
mU/ml	36.0	29.0	41.0	Pishtaz Teb- ELISA	
Oestradiol	pmol/l	739	628	850	Abbott AXSYM
	pg/ml	201	171	231	
	pmol/l	763	625	901	bioMerieux Vidas
	pg/ml	208	170	246	
	pmol/l	677	541	813	Siemens Immulite 1000
	pg/ml	184	147	221	
	pmol/l	812	690	934	Tosoh
	pg/ml	221	188	254	
	pmol/l	808	651	965	Roche Elecsys
	pg/ml	220	177	263	
	pmol/l	620	504	736	Vitros ECI
	pg/ml	169	137	201	
	pmol/l	850	704	996	Beckman Access
	pg/ml	231	191	271	
pmol/l	736	589	883	Siemens Advia Centaur	
pg/ml	200	160	240		

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
Oestradiol	pmol/l	638	542	734	Siemens Immulite 2000/2500	
	pg/ml	174	147	201		
	pmol/l	727	618	836	Abbott Architect	
	pg/ml	198	168	228		
	pmol/l	863	734	992	Roche Modular E170	
	pg/ml	235	200	270		
	pmol/l	839	713	965	Roche Cobas 6000	
	pg/ml	228	194	262		
	pmol/l	817	688	946	Roche Cobas E411	
	pg/ml	222	187	257		
	pmol/l	828	662	994	Beckman DxI800	
	pg/ml	225	180	270		
	Parathyroid Hormone (PTH)	pmol/l	35.5	30.2	40.8	Siemens Immulite 2000
		pg/ml	337	287	387	
pmol/l		20.1	16.9	23.3	Roche Elecsys	
pg/ml		191	160	222		
pmol/l		19.1	16.2	22.0	Roche Modular E170	
pg/ml		181	154	208		
pmol/l		32.5	24.9	40.1	Abbott Architect	
pg/ml		309	236	382		
pmol/l		27.2	23.1	31.3	Beckman Access	
pg/ml		258	219	297		
pmol/l	18.6	15.8	21.4	Roche Cobas E411		
pg/ml	177	150	204			
Phenytoin	µmol/l	72.5	61.6	83.4	Siemens Advia Centaur	
	µg/ml	18.3	15.6	21.0		
	µmol/l	65.3	55.5	75.1	Abbott AXSYM	
	µg/ml	16.5	14.0	19.0		
	µmol/l	58.1	49.0	67.2	Vitros	
	µg/ml	14.7	12.4	17.0		
	µmol/l	67.5	56.3	78.7	Siemens Immulite 1000	
	µg/ml	17.0	14.2	19.8		
	µmol/l	61.5	52.3	70.7	Roche Integra	
	µg/ml	15.5	13.2	17.8		
	µmol/l	63.9	54.3	73.5	Roche Modular E170	
	µg/ml	16.1	13.7	18.5		
	µmol/l	59.6	50.7	68.5	Abbott Architect	
	µg/ml	15.0	12.8	17.2		
Progesterone	nmol/l	35.7	30.3	41.1	Beckman Access	
	ng/ml	11.2	9.48	12.9		
	nmol/l	30.3	25.4	35.2	Abbott AXSYM	
	ng/ml	9.48	7.95	11.0		
	nmol/l	30.7	25.2	36.2	Siemens Immulite 1000	
	ng/ml	9.61	7.89	11.3		
	nmol/l	41.2	35.0	47.4	Tosoh	
	ng/ml	12.9	11.0	14.8		

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Progesterone	nmol/l	38.7	32.7	44.7	bioMerieux Vidas
	ng/ml	12.1	10.2	14.0	
	nmol/l	31.3	26.5	36.1	Roche Elecsys
	ng/ml	9.80	8.29	11.3	
	nmol/l	35.1	29.8	40.4	Vitros ECI
	ng/ml	11.0	9.33	12.7	
	nmol/l	30.7	26.1	35.3	Siemens Advia Centaur
	ng/ml	9.61	8.17	11.1	
	nmol/l	27.4	23.3	31.5	Siemens Immulite 2000/2500
	ng/ml	8.58	7.29	9.87	
	nmol/l	31.6	26.9	36.3	Roche Modular E170
	ng/ml	9.89	8.42	11.4	
	nmol/l	36.6	31.1	42.1	Beckman DxI800
	ng/ml	11.5	9.73	13.3	
nmol/l	31.0	26.4	35.6	Roche Cobas E411	
ng/ml	9.70	8.26	11.1		
nmol/l	30.9	26.3	35.5	Roche Cobas 6000	
ng/ml	9.67	8.23	11.1		
Prolactin	µU/ml	581	451	711	Beckman Access
	µU/ml	680	547	813	Abbott AXSYM
	µU/ml	579	487	671	bioMerieux Vidas
	µU/ml	605	514	696	Siemens Immulite 1000
	µU/ml	500	402	598	Tosoh
	µU/ml	500	425	575	Roche Elecsys
	µU/ml	585	497	673	Vitros ECI
	µU/ml	528	449	607	Siemens Advia Centaur
	µU/ml	562	478	646	Siemens Immulite 2000/2500
	µU/ml	605	514	696	Abbott Architect
	µU/ml	535	455	615	Diasorin Liaison
	µU/ml	495	421	569	Roche Modular E170
	µU/ml	627	531	723	Beckman DxI800
	µU/ml	489	416	562	Roche Modular E170 2nd Gen prolactin II
	µU/ml	501	426	576	Roche Elecsys 2nd Gen. prolactin II
	µU/ml	487	414	560	Roche Cobas E411
µU/ml	473	402	544	Roche Cobas 6000	
µU/ml	820	653	987	Pishtaz Teb- ELISA	
PSA Free	ng/ml = µg/l	9.64	8.19	11.1	Siemens Immulite 1000
	ng/ml = µg/l	8.94	7.60	10.3	Siemens Immulite 2000/2500
	ng/ml = µg/l	7.91	6.47	9.35	Abbott Axsym - monoclonal
	ng/ml = µg/l	8.57	7.28	9.86	Roche Elecsys
	ng/ml = µg/l	9.09	7.73	10.5	Abbott Architect
	ng/ml = µg/l	3.81	3.21	4.41	Diasorin Liaison
	ng/ml = µg/l	8.79	7.47	10.1	Roche Modular E170
	ng/ml = µg/l	8.59	7.12	10.1	Roche Cobas E411
	ng/ml = µg/l	8.60	7.31	9.89	Roche Cobas 6000
PSA Total	ng/ml = µg/l	8.30	7.06	9.54	Abbott Axsym - polyclonal

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
PSA Total	ng/ml = µg/l	8.68	7.38	9.98	Abbott Axsym - monoclonal
	ng/ml = µg/l	9.90	8.42	11.4	bioMerieux Vidas
	ng/ml = µg/l	8.06	6.40	9.72	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	13.1	11.1	15.1	Roche Elecsys
	ng/ml = µg/l	8.19	6.96	9.42	Tosoh
	ng/ml = µg/l	12.0	10.2	13.8	Beckman Access-non-standardised results
	ng/ml = µg/l	10.3	8.76	11.8	Bayer ADVIA Centaur (equimolar)
	ng/ml = µg/l	9.26	7.87	10.7	bioMerieux VIDAS TPSA
	ng/ml = µg/l	10.6	9.01	12.2	Siemens Advia Centaur
	ng/ml = µg/l	8.37	7.11	9.63	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	11.1	9.44	12.8	Abbott Architect
	ng/ml = µg/l	6.73	5.71	7.75	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	6.98	5.24	8.72	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	4.27	3.63	4.91	Vitros ECi
	ng/ml = µg/l	4.63	3.94	5.32	Diasorin Liaison
	ng/ml = µg/l	13.2	11.2	15.2	Roche Modular E170
	ng/ml = µg/l	9.87	8.39	11.4	Siemens Dimension equimolar
	ng/ml = µg/l	11.9	10.1	13.7	Beckman Access standardised to IRP96/670
	ng/ml = µg/l	13.2	11.2	15.2	Roche Cobas E411
	ng/ml = µg/l	13.4	11.4	15.4	Roche Cobas 6000
ng/ml = µg/l	12.0	10.4	13.6	Pishtaz Teb- ELISA	
SHBG	nmol/l	37.2	31.6	42.8	Siemens Immulite 2000/2500
	nmol/l	38.7	31.5	45.9	Roche Elecsys
	nmol/l	39.9	33.0	46.8	Roche Modular E170
T Uptake	%U	41.0	38.0	44.0	Pishtaz Teb- ELISA
	%U	42.7	35.0	50.4	Siemens Immulite 1000
Testosterone	nmol/l	13.2	11.2	15.2	Abbott AXSYM
	ng/ml	3.80	3.23	4.37	
	ng/dl	380	323	437	
	nmol/l	22.1	15.6	28.6	Siemens Immulite 1000
	ng/ml	6.36	4.49	8.23	
	ng/dl	636	449	823	
	nmol/l	16.3	13.9	18.7	Roche Elecsys
	ng/ml	4.69	4.00	5.38	
	ng/dl	469	400	538	
	nmol/l	16.5	14.0	19.0	Vitros ECi
	ng/ml	4.75	4.03	5.47	
	ng/dl	475	403	547	
	nmol/l	12.7	9.24	16.2	Siemens Advia Centaur
	ng/ml	3.66	2.66	4.66	
	ng/dl	366	266	466	
	nmol/l	17.9	15.2	20.6	Siemens Immulite 2000/2500
	ng/ml	5.16	4.38	5.94	
	ng/dl	516	438	594	
nmol/l	17.7	14.9	20.5	Abbott Architect	
ng/ml	5.10	4.29	5.91		
ng/dl	510	429	591		

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich						
Parameter	Einheit	Zielwert	von	bis	Methoden	
Testosterone	nmol/l	21.5	17.0	26.0	bioMerieux Vidas	
	ng/ml	6.19	4.90	7.48		
	ng/dl	619	490	748		
	Roche Modular E170	nmol/l	17.6	15.0	20.2	Roche Modular E170
		ng/ml	5.07	4.32	5.82	
		ng/dl	507	432	582	
	Roche Cobas E411	nmol/l	16.3	12.7	19.9	Roche Cobas E411
		ng/ml	4.69	3.66	5.72	
		ng/dl	469	366	572	
	Roche Cobas 6000	nmol/l	17.5	14.9	20.1	Roche Cobas 6000
		ng/ml	5.04	4.29	5.79	
		ng/dl	504	429	579	
Theophylline	µmol/l	82.3	70.0	94.6	Abbott AXSYM	
	µg/ml	14.8	12.6	17.0	Vitros	
	µmol/l	91.3	68.5	114		
	µg/ml	16.5	12.3	20.7		
Abbott Architect	µmol/l	83.6	71.1	96.1	Abbott Architect	
	µg/ml	15.1	12.8	17.4		
Thyroglobulin	ng/ml	16.6	12.4	20.8	Siemens Immulite 2000	
	ng/ml	46.5	39.5	53.5	Roche Elecsys	
	ng/ml	42.8	36.4	49.2	Roche Modular E170	
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.82	2.32	3.32	Abbott AxSYM Ultrasensitive hTSH II	
	µU/ml = mIU/l	3.18	2.58	3.78	bioMerieux VIDAS TSH	
	µU/ml = mIU/l	3.01	2.56	3.46	Bayer ACS 180	
	µU/ml = mIU/l	3.06	2.60	3.52	Siemens Immulite 1000	
	µU/ml = mIU/l	3.04	2.58	3.50	Roche Elecsys	
	µU/ml = mIU/l	2.91	2.39	3.43	Beckman Access hyperTSH 3rd Generation	
	µU/ml = mIU/l	3.30	2.69	3.91	Tosoh	
	µU/ml = mIU/l	3.57	3.03	4.11	Vitros ECi	
	µU/ml = mIU/l	2.94	2.50	3.38	Siemens Advia Centaur	
	µU/ml = mIU/l	2.99	2.54	3.44	Siemens Immulite 2000/2500	
	µU/ml = mIU/l	2.47	2.10	2.84	Abbott Architect Ultrasensitive hTSH II	
	µU/ml = mIU/l	3.03	2.58	3.48	Abbott AxSYM 3rd generation	
	µU/ml = mIU/l	3.45	2.93	3.97	Diasorin Liaison	
	µU/ml = mIU/l	3.09	2.63	3.55	Roche Modular E170	
	µU/ml = mIU/l	2.66	2.07	3.25	Siemens Dimension	
	µU/ml = mIU/l	2.96	2.46	3.46	bioMerieux VIDAS TSH3 Ultrasensitive	
	µU/ml = mIU/l	2.80	2.38	3.22	Bayer Advia Centaur 3rd Generation	
	µU/ml = mIU/l	3.04	2.58	3.50	Roche Cobas E411	
µU/ml = mIU/l	3.07	2.61	3.53	Roche Cobas 6000		
µU/ml = mIU/l	3.20	2.50	3.90	Pishtaz Teb- ELISA		
Total T3	nmol/l	4.76	4.05	5.47	Abbott AXSYM	
	ng/ml	3.10	2.64	3.56		
	ng/dl	310	264	356		
	nmol/l	5.33	4.53	6.13	bioMerieux Vidas	
	ng/ml	3.47	2.95	3.99		
ng/dl	347	295	399			

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T3	nmol/l	4.47	3.80	5.14	Siemens Immulite 1000
	ng/ml	2.91	2.47	3.35	
	ng/dl	291	247	335	
	nmol/l	4.77	4.05	5.49	Roche Elecsys
	ng/ml	3.11	2.64	3.58	
	ng/dl	311	264	358	
	nmol/l	4.16	3.50	4.82	Beckman Access
	ng/ml	2.71	2.28	3.14	
	ng/dl	271	228	314	
	nmol/l	4.42	3.46	5.38	Tosoh
	ng/ml	2.88	2.25	3.51	
	ng/dl	288	225	351	
	nmol/l	4.88	4.15	5.61	Siemens Advia Centaur
	ng/ml	3.18	2.70	3.66	
	ng/dl	318	270	366	
	nmol/l	4.09	3.48	4.70	Siemens Immulite 2000/2500
	ng/ml	2.66	2.27	3.05	
	ng/dl	266	227	305	
	nmol/l	4.45	3.78	5.12	Abbott Architect
	ng/ml	2.90	2.46	3.34	
	ng/dl	290	246	334	
nmol/l	4.67	3.97	5.37	Vitros ECi	
ng/ml	3.04	2.58	3.50		
ng/dl	304	258	350		
nmol/l	4.41	3.75	5.07	Roche Modular E170	
ng/ml	2.87	2.44	3.30		
ng/dl	287	244	330		
nmol/l	5.23	3.93	6.53	Roche Cobas E411	
ng/ml	3.40	2.56	4.24		
ng/dl	340	256	424		
nmol/l	4.37	3.71	5.03	Roche Cobas 6000	
ng/ml	2.84	2.42	3.26		
ng/dl	284	242	326		
nmol/l	2.90	2.40	3.40	Pishtaz Teb- ELISA	
ng/ml	1.90	1.60	2.20		
ng/dl	190	160	220		
Total T4	nmol/l	139	118	160	Vitros ECi
	µg/dl	10.8	9.20	12.4	
	ng/ml	108	92.0	124	
	nmol/l	152	129	175	Abbott AXSYM
	µg/dl	11.9	10.1	13.7	
	ng/ml	119	101	137	
nmol/l	148	126	170	bioMerieux Vidas	
µg/dl	11.5	9.83	13.2		
ng/ml	115	98.3	132		

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T4	nmol/l	152	110	194	Siemens Immulite 1000
	µg/dl	11.9	8.58	15.2	
	ng/ml	119	85.8	152	
	nmol/l	138	117	159	Roche Elecsys
	µg/dl	10.8	9.13	12.5	
	ng/ml	108	91.3	125	
	nmol/l	147	125	169	Beckman Access
	µg/dl	11.5	9.75	13.3	
	ng/ml	115	97.5	133	
	nmol/l	151	119	183	Tosoh
	µg/dl	11.8	9.28	14.3	
	ng/ml	118	92.8	143	
	nmol/l	160	136	184	Siemens Advia Centaur
	µg/dl	12.5	10.6	14.4	
	ng/ml	125	106	144	
	nmol/l	145	123	167	Siemens Immulite 2000/2500
	µg/dl	11.3	9.59	13.0	
	ng/ml	113	95.9	130	
	nmol/l	155	132	178	Abbott Architect
	µg/dl	12.1	10.3	13.9	
	ng/ml	121	103	139	
nmol/l	136	116	156	Roche Modular E170	
µg/dl	10.6	9.05	12.2		
ng/ml	106	90.5	122		
nmol/l	141	120	162	Roche Cobas E411	
µg/dl	11.0	9.36	12.6		
ng/ml	110	93.6	126		
nmol/l	127	105	149	Roche Cobas 6000	
µg/dl	9.91	8.19	11.6		
ng/ml	99.1	81.9	116		
nmol/l	167	138	197	Pishtaz Teb- ELISA	
µg/dl	13.0	10.7	15.3		
ng/ml	130	107	153		
Valproic Acid	µmol/l	541	460	622	Abbott AXSYM
	µg/ml	78.1	66.4	89.8	
	µmol/l	555	462	648	Siemens Immulite 1000
	µg/ml	80.1	66.7	93.5	
	µmol/l	563	479	647	Hitachi 911/912/917
	µg/ml	81.2	69.1	93.3	
	µmol/l	514	437	591	Siemens Immulite 2000/2500
	µg/ml	74.2	63.1	85.3	
	µmol/l	520	437	603	Siemens Advia Centaur
	µg/ml	75.0	63.1	86.9	
	µmol/l	544	446	642	Vitros
	µg/ml	78.5	64.4	92.6	

## IMMUNOASSAY CONTROL LEVEL 2 (IA CONTROL 2)

Art.-Nr.: KG2639/KG2633 Ch.-B.: 742EC Inhalt 10x5ml/12x5ml Verw. bis: 2011-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Valproic Acid	µmol/l	591	502	680	Roche Modular E170
	µg/ml	85.3	72.4	98.2	
	µmol/l	469	334	604	Abbott Architect
	µg/ml	67.7	48.2	87.2	
Vitamin B12	pmol/l	653	555	751	Abbott AXSYM
	pg/ml	885	752	1018	
	pmol/l	651	527	775	Roche Elecsys
	pg/ml	882	714	1050	
	pmol/l	537	456	618	Beckman Access
	pg/ml	728	618	838	
	pmol/l	636	541	731	Siemens Advia Centaur
	pg/ml	862	733	991	
	pmol/l	661	562	760	Siemens Immulite 2000
	pg/ml	896	762	1030	
	pmol/l	624	518	730	Abbott Architect
	pg/ml	846	702	990	
	pmol/l	691	587	795	Vitros ECI
	pg/ml	936	795	1077	
	pmol/l	662	563	761	Roche Modular E170
	pg/ml	897	763	1031	
pmol/l	543	462	624	Beckman DxI800	
pg/ml	736	626	846		
pmol/l	601	511	691	Roche Cobas E411	
pg/ml	814	692	936		