

IMMUNOASSAY KONTROLLE**Art.- Nr.:****Level I KG 2638 12 x 5 ml****Tri Level KG 2633 12 x 5 ml****Level I Ch.-B.: 858 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 ± 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 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

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	33.6	26.9	40.3	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	48.0	80.0	Roche Cobas E411
	nmol/l	65.6	49.2	82.0	Roche Elecsys
ACTH	pmol/l	0.760	0.570	0.950	Roche Cobas E411
	pg/ml	3.45	2.59	4.31	
	pmol/l	1.80	1.35	2.25	Brahms RIA
	pg/ml	8.18	6.14	10.2	
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 LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

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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	0.420	0.315	0.525	Roche Elecsys	
	ng/ml	1.27	0.951	1.59		
Carbamazepine	µmol/l	12.7	10.8	14.6	Vitros	
	µg/ml	3.00	2.55	3.45		
	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		
Cortisol	µmol/l	16.5	14.0	19.0	Abbott Architect	
	µg/ml	3.90	3.31	4.49		
	µmol/l	14.2	12.1	16.3	Roche Cobas 6000	
	µg/ml	3.36	2.86	3.86		
	Cortisol	nmol/l	200	157	243	Abbott AXSYM
		µg/dl	7.20	5.65	8.75	
	Cortisol	nmol/l	142	113	171	bioMerieux Vidas
		µg/dl	5.11	4.07	6.15	
	Cortisol	nmol/l	234	176	292	Siemens Immulite 1000
		µg/dl	8.42	6.34	10.5	
	Cortisol	nmol/l	193	157	229	Roche Elecsys
		µg/dl	6.95	5.65	8.25	
	Cortisol	nmol/l	250	205	295	Siemens Advia Centaur
		µg/dl	9.00	7.38	10.6	
Cortisol	nmol/l	225	191	259	Siemens Immulite 2000/2500	
	µg/dl	8.10	6.88	9.32		
Cortisol	nmol/l	225	183	267	Abbott Architect	
	µg/dl	8.10	6.59	9.61		
Cortisol	nmol/l	181	154	208	Roche Modular E170	
	µg/dl	6.52	5.54	7.50		
Cortisol	nmol/l	229	195	263	Beckman DxI800	
	µg/dl	8.24	7.02	9.46		
Cortisol	nmol/l	182	153	211	Roche Cobas 6000	
	µg/dl	6.55	5.51	7.59		
Cortisol	nmol/l	189	155	223	Roche Cobas E411	
	µg/dl	6.80	5.58	8.02		

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Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
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
	µmol/l	4.96	4.22	5.70	Roche Cobas 6000
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
	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 Dxl800
	ng/ml = µg/l	18.9	14.1	23.7	Roche Cobas E411

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

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Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Ferritin	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 Dxl800
	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	
	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		

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Parameter	Einheit	Zielwert	von	bis	Methoden
Free T3	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	
	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		

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Parameter	Einheit	Zielwert	von	bis	Methoden
Free T4	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	0.473	0.788	DSL RIA
	pg/ml	0.181	0.136	0.226	
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	
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

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Human Chorionic Gonadotrophin (hCG)	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 Dxl800
	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/l = IU/ml	42.2	35.5	48.9	Siemens Immulite 1000
	KIU/l = IU/ml	32.8	24.6	41.0	bioMerieux Vidas
	KIU/l = IU/ml	40.9	34.8	47.0	Pharmacia Unicap
	KIU/l = IU/ml	42.5	36.1	48.9	Roche Elecsys
	KIU/l = IU/ml	39.3	33.4	45.2	Siemens Advia Centaur
	KIU/l = IU/ml	42.9	36.5	49.3	Siemens Immulite 2000/2500
	KIU/l = IU/ml	42.1	35.8	48.4	Roche Modular E170
	KIU/l = IU/ml	41.2	31.5	50.9	Roche Cobas E411
	KIU/l = IU/ml	41.2	35.0	47.4	Roche Cobas 6000
	KIU/l = IU/ml	40.0	35.0	45.0	Pishtaz Teb- ELISA
Insulin	mU/l	1.40	1.11	1.69	Siemens Advia Centaur
	mU/l	4.36	3.27	5.45	Siemens Immulite 1000
	mU/l	0.973	0.730	1.22	Roche Modular E170
	mU/l	0.750	0.635	0.865	Abbott Architect
	mU/l	0.942	0.668	1.22	Roche Cobas 6000
	mU/l	0.570	0.479	0.661	Beckman Dxl800
Luteinising Hormone (LH)	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
	mU/ml	3.16	2.69	3.63	Beckman Dxl800
	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	

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Oestradiol	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	
	pmol/l	482	410	554	Beckman DxI800
	pg/ml	131	112	150	
Paracetamol	mmol/l	0.199	0.169	0.229	Abbott AXSYM
	mg/l	30.1	25.6	34.6	
	mmol/l	0.137	0.116	0.158	Roche Modular E170
	mg/l	20.7	17.6	23.8	
Parathyroid Hormone (PTH)	pmol/l	1.38	1.04	1.72	Siemens Immulite 2000
	pg/ml	13.1	9.88	16.3	
	pmol/l	1.98	1.49	2.47	Roche Modular E170
	pg/ml	18.8	14.2	23.4	
Phenytoin	pmol/l	1.81	1.36	2.26	Roche Cobas 6000
	pg/ml	17.2	12.9	21.5	
	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	
Primidone	µmol/l	16.8	14.3	19.3	Roche Integra
	µg/ml	4.24	3.61	4.87	
	µmol/l	15.7	13.3	18.1	Roche Modular E170
	µg/ml	3.96	3.36	4.56	
Progesterone	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	

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Progesterone	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 Dxl800	
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 Dxl800
	µU/ml	143	122	164	Roche Modular E170 2nd Gen prolactin II
	µU/ml	142	121	163	Roche Elecsys 2nd Gen. prolactin II
	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

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
PSA Free	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 Dxl800
	ng/ml = µg/l	1.09	0.927	1.25	Roche Cobas E411
	ng/ml = µg/l	1.09	0.927	1.25	Roche Cobas 6000
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 Dxl800 non-standardised
	ng/ml = µg/l	1.13	0.848	1.41	Beckman Dxl800 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
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	
	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		

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Testosterone	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
	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	

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

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	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 Dxl800
	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 Dxl800 Hyper TSH
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		
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		

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Total T3	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		
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		

IMMUNOASSAY PREMIUM LEVEL 1 (IA PREMIUM 1)

Art.-Nr.: KG2638/KG2633 Ch.-B.: 858EC

Inhalt: 12 x 5ml/12 x 5ml Verw. bis: 2012-11

Bereich					
Parameter	Einheit	Zielwert	von	bis	Methoden
Valproic Acid	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	
Vancomycin	µmol/l	206	158	254	Abbott Architect
	µg/ml	29.7	22.8	36.6	
Vitamin B12	µmol/l	3.43	2.74	4.12	Gravimetric
	µg/ml	5.10	4.07	6.12	
	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		