

BGT

BioGenTechnologies GmbH

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Immun-o-trol



IMMUNOASSAY KONTROLLE

Art.- Nr.:

Level I KG 2638 10 x 5 ml

Level II KG 2639 10 x 5 ml

Level III KG 2640 10 x 5 ml

Tri Level KG 2633 12 x 5 ml

Level I Ch.-B.: 496 EC

Level II Ch.-B.: 498 EC

Level III Ch.-B.: 501 EC

Verwendbar bis: 11/2007

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

STABIILÄT

Das lyophilisierte Serum ist unter ständiger Aufbewahrung bei +4 bis +8°C bis zum angegebenen Verfallsdatum haltbar. Nach Aufbereitung ist das Kontrollserum ohne bakterielle Kontamination 7 Tage bei +4°C oder 4 Wochen bei -20°C gefroren (nur einmal einfrieren!) stabil.

ANMERKUNGEN

Bakterielle Kontamination des aufbereiteten Kontrollmaterials verringert die Stabilität vieler Komponenten.

Das im Serum enthaltene Prostata-spezifische Antigen (P.S.A.) ist bei +2° bis +8°C 7 Tage stabil.

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.

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

Nur zur *in vitro*-Diagnostik

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Range					
analyte	unit	target	low	high	methods
17-OH-Progesterone	nmol/l	4.74	3.68	5.80	DPC Coat-a-Count
	ng/ml	1.57	1.22	1.92	
Alphafoetoprotein	KIU/l =	8.90	7.26	10.5	Abbott AXSYM
	ng/ml	10.8	8.78	12.8	
	KIU/l =	7.88	6.70	9.06	bioMerieux Vidas
	ng/ml	9.53	8.11	11.0	
	KIU/l =	7.39	6.28	8.50	DPC Immulite
	ng/ml	8.94	7.60	10.3	
	KIU/l =	7.98	6.64	9.32	Roche Elecsys
	ng/ml	9.66	8.03	11.3	
	KIU/l =	8.69	7.18	10.2	Beckman Access
	ng/ml	10.5	8.69	12.3	
	KIU/l =	9.09	7.73	10.5	Vitros ECi
	ng/ml	11.0	9.35	12.7	
	KIU/l =	10.1	7.73	12.5	Bayer ADVIA Centaur
	ng/ml	12.2	9.35	15.1	
Beta-2-microglobulin	µg/ml	1.45	1.10	1.80	DPC Immulite
	µg/ml	1.35	1.11	1.59	bioMerieux Vidas
	µg/ml	0.959	0.815	1.10	Abbott AXSYM
	µg/ml	1.19	1.01	1.37	DPC Immulite 2000
CA125	U/ml	22.0	16.5	27.5	Abbott AXSYM
	U/ml	11.8	10.0	13.6	DPC Immulite
	U/ml	14.1	12.0	16.2	bioMerieux Vidas
	U/ml	15.6	13.0	18.2	Roche Elecsys
	U/ml	12.0	10.2	13.8	DPC Immulite 2000
	U/ml	12.4	10.5	14.3	Vitros ECi
	U/ml	16.4	13.9	18.9	Roche Modular E170
	U/ml	13.3	11.3	15.3	Bayer ADVIA Centaur CA125 II kit
CA 15-3	U/ml	7.26	5.65	8.87	Roche Elecsys
	U/ml	12.5	10.6	14.4	bioMerieux Vidas
	U/ml	17.8	14.5	21.1	Bayer ADVIA Centaur
	U/ml	23.8	19.6	28.0	DPC Immulite 2000

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Range					
analyte	unit	target	low	high	methods
CA 15-3	U/ml	22.3	18.5	26.1	Abbott AXSYM
	U/ml	23.1	18.2	28.0	DPC Immulite
	U/ml	8.78	7.46	10.1	Roche Modular E170
CA 19-9	U/ml	19.9	14.0	25.8	Abbott AXSYM
	U/ml	17.1	14.0	20.2	bioMerieux Vidas
	U/ml	14.0	11.3	16.7	Roche Elecsys
	U/ml	31.6	23.7	39.5	Bayer ADVIA Centaur
	U/ml	19.4	16.2	22.6	DPC Immulite 2000
	U/ml	23.9	19.2	28.6	Abbott Architect
	U/ml	14.0	11.9	16.1	Roche Modular E170
Carbamazepine	µmol/l	5.36	4.02	6.70	Vitros
	µg/ml	1.27	0.95	1.59	
	µmol/l	15.2	12.9	17.5	Abbott AXSYM
	µg/ml	3.59	3.05	4.13	
	µmol/l	12.0	9.78	14.2	DPC Immulite
	µg/ml	2.84	2.31	3.37	
	µmol/l	17.1	14.5	19.7	Roche Integra
	µg/ml	4.04	3.43	4.65	
	µmol/l	15.7	11.8	19.6	Hitachi 911/912/917
	µg/ml	3.71	2.79	4.63	
Carcinoembryonic Antigen (CEA)	ng/ml =	9.45	8.03	10.9	Abbott AXSYM
	ng/ml =	8.78	7.16	10.4	bioMerieux Vidas
	ng/ml =	12.4	10.5	14.3	DPC Immulite
	ng/ml =	8.76	7.45	10.1	Roche Elecsys
	ng/ml =	11.2	9.52	12.9	Vitros ECi
	ng/ml =	7.78	6.61	8.95	Beckman Access
	ng/ml =	10.6	9.01	12.2	Bayer ADVIA Centaur
	ng/ml =	11.1	9.44	12.8	DPC Immulite 2000
	ng/ml =	9.52	8.09	11.0	Abbott Architect
ng/ml =	8.77	7.45	10.1	Roche Modular E170	
Cortisol	nmol/l	215	161	269	Abbott AXSYM
	µg/dl	7.74	5.80	9.68	
	nmol/l	228	194	262	bioMerieux Vidas
	µg/dl	8.21	6.98	9.44	
	nmol/l	193	144	242	Bayer ACS 180
	µg/dl	6.95	5.18	8.72	
	nmol/l	256	201	311	DPC Immulite
	µg/dl	9.22	7.24	11.2	
nmol/l	237	201	273	DPC Coat-a-Count	
µg/dl	8.53	7.24	9.82		

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analyte	unit	target	Range		methods
			low	high	
Cortisol	nmol/l	216	184	248	Roche Elecsys
	µg/dl	7.78	6.62	8.94	
	nmol/l	247	184	310	Beckman Access
	µg/dl	8.89	6.62	11.2	
	nmol/l	206	157	255	Bayer ADVIA Centaur
	µg/dl	7.42	5.65	9.19	
	nmol/l	266	214	318	DPC Immulite 2000
	µg/dl	9.58	7.70	11.5	
DHEA-S	µmol/l	3.26	2.58	3.94	DPC Immulite
	µmol/l	3.24	2.75	3.73	DPC Immulite 2000
	µmol/l	4.78	4.06	5.50	Roche Elecsys
	µmol/l	4.65	3.87	5.43	Roche Modular E170
Digoxin	nmol/l	0.860	0.657	1.06	Abbott AXSYM
	ng/ml	0.67	0.51	0.83	
	nmol/l	1.02	0.765	1.28	Vitros
	ng/ml	0.80	0.60	1.00	
	nmol/l	0.723	0.591	0.855	DPC Immulite
	ng/ml	0.56	0.46	0.66	
	nmol/l	0.735	0.551	0.919	bioMerieux Vidas
	ng/ml	0.57	0.43	0.71	
	nmol/l	0.934	0.704	1.16	Roche Elecsys
	ng/ml	0.73	0.55	0.91	
Ferritin	ng/ml =	6.22	4.67	7.77	Abbott AXSYM
	ng/ml =	6.32	4.74	7.90	bioMerieux Vidas
	ng/ml =	8.08	6.06	10.1	Bayer ACS 180
	ng/ml =	6.52	4.89	8.15	DPC Immulite
	ng/ml =	6.91	5.18	8.64	Roche Elecsys
	ng/ml =	6.73	5.05	8.41	Beckman Access
	ng/ml =	7.46	5.60	9.32	Vitros ECi
	ng/ml =	7.94	5.96	9.92	Bayer ADVIA Centaur
	ng/ml =	6.49	4.87	8.11	DPC Immulite 2000
	ng/ml =	6.49	4.87	8.11	Abbott Architect
Folate	nmol/l	6.07	4.41	7.73	Beckman Access
	ng/ml	2.68	1.94	3.42	

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analyte	unit	target	Range		methods
			low	high	
Folate	nmol/l	13.6	9.91	17.3	Roche Elecsys
	ng/ml	6.00	4.37	7.63	
	nmol/l	6.19	4.92	7.46	DPC Immulite 2000
	ng/ml	2.73	2.17	3.29	
	nmol/l	6.67	5.67	7.67	Vitros ECi
	ng/ml	2.94	2.50	3.38	
	nmol/l	6.64	5.24	8.04	Abbott Architect
	ng/ml	2.93	2.31	3.55	
	nmol/l	10.6	7.95	13.3	Roche Modular E170
	ng/ml	4.67	3.51	5.83	
	nmol/l	15.6	12.2	19.0	Bayer ADVIA Centaur (enhanced kit)
	ng/ml	6.88	5.38	8.38	
Free T3	pmol/l	6.64	5.56	7.72	Abbott AXSYM
	ng/dl	0.43	0.36	0.50	
	pg/ml	4.32	3.62	5.02	
	pmol/l	6.20	5.23	7.17	bioMerieux Vidas
	ng/dl	0.40	0.34	0.46	
	pg/ml	4.04	3.40	4.68	
	pmol/l	6.37	5.41	7.33	Bayer ACS 180
	ng/dl	0.41	0.35	0.47	
	pg/ml	4.15	3.52	4.78	
	pmol/l	6.70	5.70	7.70	Roche Elecsys
	ng/dl	0.44	0.37	0.51	
	pg/ml	4.36	3.71	5.01	
	pmol/l	4.51	3.58	5.44	Beckman Access
	ng/dl	0.29	0.23	0.35	
	pg/ml	2.94	2.33	3.55	
	pmol/l	4.21	3.08	5.34	DPC Immulite
	ng/dl	0.27	0.20	0.34	
	pg/ml	2.74	2.01	3.47	
	pmol/l	12.4	10.5	14.3	Vitros ECi
	ng/dl	0.81	0.68	0.94	
	pg/ml	8.07	6.84	9.30	
	pmol/l	6.26	5.32	7.20	Bayer ADVIA Centaur
	ng/dl	0.41	0.35	0.47	
	pg/ml	4.08	3.46	4.70	
pmol/l	4.81	4.04	5.58	DPC Immulite 2000	
ng/dl	0.31	0.26	0.36		
pg/ml	3.13	2.63	3.63		
pmol/l	4.64	3.94	5.34	Abbott Architect	
ng/dl	0.30	0.26	0.34		
pg/ml	3.02	2.56	3.48		

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analyte	unit	target	Range		methods
			low	high	
Free T3	pmol/l	6.54	5.56	7.52	Roche Modular E170
	ng/dl	0.43	0.36	0.50	
	pg/ml	4.26	3.62	4.90	
Free T4	pmol/l	8.00	6.34	9.66	Abbott AXSYM
	ng/dl	0.62	0.49	0.75	
	pg/ml	6.24	4.95	7.53	
	pmol/l	3.13	2.35	3.91	bioMerieux Vidas
	ng/dl	0.24	0.18	0.30	
	pg/ml	2.44	1.83	3.05	
	pmol/l	5.88	4.41	7.35	Bayer ACS 180
	ng/dl	0.46	0.34	0.58	
	pg/ml	4.59	3.44	5.74	
	pmol/l	6.63	4.97	8.29	DPC Immulite
	ng/dl	0.52	0.39	0.65	
	pg/ml	5.17	3.88	6.46	
	pmol/l	10.9	9.27	12.5	Roche Elecsys
	ng/dl	0.85	0.72	0.98	
	pg/ml	8.50	7.23	9.77	
	pmol/l	8.01	6.81	9.21	Beckman Access
	ng/dl	0.62	0.53	0.71	
	pg/ml	6.25	5.31	7.19	
	pmol/l	23.0	19.0	27.0	Vitros ECi
	ng/dl	1.79	1.48	2.10	
	pg/ml	17.9	14.8	21.0	
pmol/l	7.20	5.92	8.48	Bayer ADVIA Centaur	
ng/dl	0.56	0.46	0.66		
pg/ml	5.62	4.62	6.62		
pmol/l	7.07	5.30	8.84	DPC Immulite 2000	
ng/dl	0.55	0.41	0.69		
pg/ml	5.51	4.13	6.89		
pmol/l	10.7	9.10	12.3	Abbott Architect	
ng/dl	0.83	0.71	0.95		
pg/ml	8.35	7.10	9.60		
pmol/l	11.0	9.35	12.7	Roche Modular E170	
ng/dl	0.86	0.73	0.99		
pg/ml	8.58	7.29	9.87		
FSH	mU/ml	7.05	5.99	8.11	DPC Immulite
	mU/ml	7.22	5.74	8.70	Bayer ACS 180
	mU/ml	7.66	6.51	8.81	bioMerieux Vidas
	mU/ml	6.63	5.62	7.64	Abbott AXSYM
	mU/ml	7.27	6.18	8.36	Beckman Access

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Range					
analyte	unit	target	low	high	methods
FSH	mU/ml	7.00	5.95	8.05	Roche/BM Elecsys
	mU/ml	7.92	5.94	9.90	Vitros ECi
	mU/ml	6.50	5.53	7.47	Bayer ADVIA Centaur
	mU/ml	6.97	5.92	8.02	DPC Immulite 2000
	mU/ml	7.28	6.19	8.37	Abbott Architect
	mU/ml	6.35	5.40	7.30	Roche Modular E170
	mU/ml	5.60	4.48	6.72	Randox ELISA
Growth Hormone (GH)	uU/ml	8.15	6.93	9.37	DPC Immulite
	uU/ml	8.53	7.25	9.81	DPC Immulite 2000
Human Chorionic Gonadotrophin (HCG)	mU/ml	19.1	16.0	22.2	Abbott AXSYM
	mU/ml	11.3	9.29	13.3	bioMerieux Vidas
	mU/ml	16.0	11.5	20.5	Bayer ACS 180
	mU/ml	17.7	14.9	20.5	DPC Immulite
	mU/ml	12.1	10.0	14.2	Roche Elecsys
	mU/ml	12.3	10.5	14.1	Beckman Access
	mU/ml	18.9	13.8	24.0	Vitros ECi
	mU/ml	16.4	13.7	19.1	Bayer ADVIA Centaur
	mU/ml	18.4	15.4	21.4	DPC Immulite 2000
	mU/ml	11.9	10.1	13.7	Abbott Architect
	mU/ml	11.7	9.95	13.5	Roche Modular E170
Immunoglobulin E	KIU/l =	267	226	308	DPC Immulite
	KIU/l =	268	228	308	Abbott IMx
	KIU/l =	258	202	314	bioMerieux Vidas
	KIU/l =	280	228	332	Beckman Access
	KIU/l =	270	230	310	Pharmacia Unicap
	KIU/l =	270	230	310	Roche Elecsys
	KIU/l =	293	249	337	Bayer ADVIA Centaur
	KIU/l =	266	225	307	DPC Immulite 2000
Luteinising Hormone (LH)	mU/ml	3.77	3.09	4.45	Abbott AXSYM
	mU/ml	2.88	2.45	3.31	Beckman Access
	mU/ml	3.16	2.69	3.63	bioMerieux Vidas
	mU/ml	3.61	3.07	4.15	Bayer ACS 180
	mU/ml	6.89	5.64	8.14	DPC Immulite
	mU/ml	4.02	3.42	4.62	Roche Elecsys
	mU/ml	6.61	4.89	8.33	Vitros ECi
	mU/ml	3.81	3.24	4.38	Bayer ADVIA Centaur
	mU/ml	6.28	5.34	7.22	DPC Immulite 2000
	mU/ml	4.64	3.65	5.63	Abbott Architect
	mU/ml	4.18	3.55	4.81	Roche Modular E170
Oestradiol	pmol/l	83.6	62.7	105	bioMerieux Vidas
	pg/ml	22.7	17.1	28.3	

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analyte	unit	target	Range		methods
			low	high	
Oestradiol	pmol/l	94.3	70.7	118	DPC Immulite
	pg/ml	25.6	19.2	32.0	
	pmol/l	152	108	196	Roche Elecsys
	pg/ml	41.3	29.4	53.2	
	pmol/l	187	132	242	Beckman Access
	pg/ml	50.9	35.9	65.9	
	pmol/l	88.9	66.7	111	DPC Immulite 2000
	pg/ml	24.2	18.1	30.3	
Phenytoin	pmol/l	190	143	237	Abbott Architect
	pg/ml	51.7	38.9	64.5	
	pmol/l	172	132	212	Roche Modular E170
	pg/ml	46.8	35.9	57.7	
	µmol/l	17.9	14.8	21.0	Bayer ADVIA Centaur
	µg/ml	4.52	3.74	5.30	
	µmol/l	18.0	15.3	20.7	Abbott AXSYM
	µg/ml	4.55	3.86	5.24	
Progesterone	µmol/l	15.3	13.0	17.6	Vitros
	µg/ml	3.86	3.28	4.44	
	µmol/l	16.3	11.4	21.2	DPC Immulite
	µg/ml	4.12	2.88	5.36	
	µmol/l	17.0	14.5	19.5	Roche Integra
	µg/ml	4.29	3.66	4.92	
	nmol/l	5.45	4.52	6.38	Beckman Access
	ng/ml	1.71	1.41	2.01	
	nmol/l	3.55	2.82	4.28	Abbott AXSYM
	ng/ml	1.11	0.88	1.34	
	nmol/l	3.16	2.51	3.81	Bayer ACS 180
	ng/ml	0.99	0.79	1.19	
	nmol/l	4.24	2.97	5.51	DPC Immulite
	ng/ml	1.33	0.93	1.73	
	nmol/l	3.88	2.96	4.80	DPC Coat-a-Count
	ng/ml	1.21	0.93	1.49	
nmol/l	3.87	2.90	4.84	bioMerieux Vidas	
ng/ml	1.21	0.91	1.51		
nmol/l	3.14	2.38	3.90	Roche Elecsys	
ng/ml	0.98	0.74	1.22		
nmol/l	3.44	2.92	3.96	Vitros ECi	
ng/ml	1.08	0.91	1.25		
nmol/l	3.28	2.48	4.08	Bayer ADVIA Centaur	
ng/ml	1.03	0.78	1.28		
nmol/l	3.84	2.81	4.87	DPC Immulite 2000	
ng/ml	1.20	0.88	1.52		

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analyte	unit	target	Range		methods
			low	high	
Progesterone	nmol/l	2.95	2.28	3.62	Roche Modular E170
	ng/ml	0.92	0.71	1.13	
	nmol/l	3.24	2.59	3.89	Randox ELISA
	ng/ml	1.01	0.81	1.22	
Prolactin	µU/ml	159	124	194	Beckman Access
	µU/ml	225	191	259	Abbott AXSYM
	µU/ml	104	76.0	132	bioMerieux Vidas
	µU/ml	164	127	201	Bayer ACS 180
	µU/ml	179	152	206	DPC Immulite
	µU/ml	183	156	210	Roche Elecsys
	µU/ml	249	187	311	Vitros Eci
	µU/ml	160	136	184	Bayer ADVIA Centaur
	µU/ml	157	133	181	DPC Immulite 2000
	µU/ml	160	136	184	Abbott Architect
	µU/ml	179	152	206	Roche Modular E170
	µU/ml	154	123	185	Randox ELISA
PSA Free	ng/ml =	1.10	0.935	1.27	DPC Immulite
	ng/ml =	1.11	0.944	1.28	DPC Immulite 2000
	ng/ml =	0.894	0.760	1.03	Abbott Axsym - monoclonal
	ng/ml =	0.908	0.772	1.04	Roche Elecsys
	ng/ml =	0.937	0.796	1.08	Abbott Architect
	ng/ml =	0.937	0.796	1.08	Roche Modular E170
PSA Total	ng/ml =	1.12	0.949	1.29	Abbott Axsym - monoclonal
	ng/ml =	1.18	0.938	1.42	DPC Immulite 1st generation
	ng/ml =	1.95	1.66	2.24	Roche Elecsys
	ng/ml =	1.90	1.60	2.20	Beckman Access-non-standardised results
	ng/ml =	1.68	1.43	1.93	Bayer ADVIA Centaur (equimolar)
	ng/ml =	1.84	1.55	2.13	Bayer ACS180 (equimolar)
	ng/ml =	1.46	1.19	1.73	bioMerieux VIDAS TPSA
	ng/ml =	1.22	0.950	1.49	Abbott IMx - monoclonal
	ng/ml =	1.15	0.978	1.32	DPC Immulite 2000 1st Generation
	ng/ml =	1.61	1.37	1.85	Abbott Architect
	ng/ml =	1.06	0.801	1.32	DPC Immulite 3rd Generation
	ng/ml =	1.03	0.876	1.18	DPC Immulite 2000 3rd Generation
	ng/ml =	0.831	0.706	0.956	Vitros Eci
Testosterone	nmol/l	6.08	4.56	7.60	DPC Coat-a-Count
	ng/ml	1.75	1.31	2.19	
	ng/dl	175	131	219	
	nmol/l	6.78	5.24	8.32	DPC Immulite
	ng/ml	1.95	1.51	2.39	
	ng/dl	195	151	239	

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analyte	unit	target	Range		methods
			low	high	
Testosterone	nmol/l	6.27	4.91	7.63	Roche Elecsys
	ng/ml	1.81	1.41	2.21	
	ng/dl	181	141	221	
	nmol/l	4.13	3.51	4.75	Vitros ECi
	ng/ml	1.19	1.01	1.37	
	ng/dl	119	101	137	
	nmol/l	4.28	3.06	5.50	Bayer ADVIA Centaur
	ng/ml	1.23	0.88	1.58	
	ng/dl	123	88.1	158	
	nmol/l	7.51	5.49	9.53	DPC Immulite 2000
	ng/ml	2.16	1.58	2.74	
	ng/dl	216	158	274	
	nmol/l	6.32	4.86	7.78	Abbott Architect
	ng/ml	1.82	1.40	2.24	
	ng/dl	182	140	224	
nmol/l	5.76	4.14	7.38	bioMerieux Vidas	
ng/ml	1.66	1.19	2.13		
ng/dl	166	119	213		
nmol/l	7.25	5.20	9.30	Roche Modular E170	
ng/ml	2.09	1.50	2.68		
ng/dl	209	150	268		
Theophylline	µmol/l	28.7	24.4	33.0	Abbott AXSYM
	µg/ml	5.17	4.39	5.95	
	µmol/l	55.6	43.8	67.4	Vitros
	µg/ml	10.0	7.88	12.1	
	µmol/l	28.6	24.3	32.9	Roche Integra
	µg/ml	5.15	4.37	5.93	
µmol/l	27.8	23.6	32.0	DPC Immulite 2000	
µg/ml	5.00	4.25	5.75		
Thyroid Stimulating Hormone	µU/ml =	0.109	0.093	0.125	Abbott IMx Ultrasensitive hTSH II
	µU/ml =	0.098	0.075	0.121	Abbott Axsym Ultrasensitive hTSH II
	µU/ml =	0.062	0.047	0.077	bioMerieux VIDAS TSH
	µU/ml =	0.098	0.074	0.122	Bayer ACS 180
	µU/ml =	0.142	0.107	0.177	DPC Immulite
	µU/ml =	0.138	0.116	0.160	Roche Elecsys
	µU/ml =	0.093	0.078	0.108	Beckman Access
	µU/ml =	0.104	0.085	0.123	Bayer ADVIA Centaur
	µU/ml =	0.090	0.072	0.108	DPC Immulite 2000
	µU/ml =	0.084	0.068	0.100	Abbott Architect Ultrasensitive hTSH II
	µU/ml =	0.106	0.089	0.123	Abbott Axsym 3rd generation
	µU/ml =	0.120	0.102	0.138	Byk Liaison

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Range					
analyte	unit	target	low	high	methods
Thyroid Stimulating Hormone	µU/ml =	0.138	0.117	0.159	Roche Modular E170
	µU/ml =	0.088	0.062	0.114	Dade Dimension
	µU/ml =	0.073	0.062	0.084	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml =	0.092	0.069	0.115	Abbott Architect 3rd generation
	µU/ml =	0.120	0.100	0.140	Randox ELISA
Total T3	nmol/l	1.25	0.914	1.59	Abbott AXSYM
	ng/ml	0.81	0.60	1.02	
	ng/dl	81.4	59.5	103	
	nmol/l	1.11	0.896	1.32	bioMerieux Vidas
	ng/ml	0.72	0.58	0.86	
	ng/dl	72.3	58.3	86.3	
	nmol/l	0.815	0.625	1.01	DPC Immulite
	ng/ml	0.53	0.41	0.65	
	ng/dl	53.1	40.7	65.5	
	nmol/l	2.05	1.73	2.37	Roche Elecsys
	ng/ml	1.33	1.13	1.53	
	ng/dl	133	113	153	
	nmol/l	1.47	1.25	1.69	Beckman Access
	ng/ml	0.96	0.81	1.11	
	ng/dl	95.7	81.4	110	
	nmol/l	0.847	0.692	1.00	Bayer ADVIA Centaur
	ng/ml	0.55	0.45	0.65	
	ng/dl	55.1	45.0	65.2	
	nmol/l	0.885	0.642	1.13	DPC Immulite 2000
	ng/ml	0.58	0.42	0.74	
	ng/dl	57.6	41.8	73.4	
	nmol/l	1.10	0.889	1.31	Abbott Architect
	ng/ml	0.72	0.58	0.86	
	ng/dl	71.6	57.9	85.3	
nmol/l	1.41	1.20	1.62	Vitros ECi	
ng/ml	0.92	0.78	1.06		
ng/dl	91.8	78.1	106		
nmol/l	1.77	1.50	2.04	Roche Modular E170	
ng/ml	1.15	0.98	1.32		
ng/dl	115	97.7	132		
nmol/l	1.07	0.856	1.28	Randox ELISA	
ng/ml	0.70	0.56	0.83		
ng/dl	69.7	55.7	83.3		
Total T4	nmol/l	12.7	9.27	16.1	Vitros ECi
	µg/dl	0.99	0.72	1.26	
	ng/ml	9.91	7.23	12.6	
	nmol/l	20.0	15.0	25.0	Abbott IMx/FLx/TDx
	µg/dl	1.56	1.17	1.95	
ng/ml	15.6	11.7	19.5		

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analyte	unit	target	Range		methods
			low	high	
Total T4	nmol/l	13.2	9.90	16.5	bioMerieux Vidas
	µg/dl	1.03	0.77	1.29	
	ng/ml	10.3	7.72	12.9	
	nmol/l	12.7	9.05	16.4	DPC Immulite
	µg/dl	0.99	0.71	1.27	
	ng/ml	9.91	7.06	12.8	
	nmol/l	20.4	16.2	24.6	Roche Elecsys
	µg/dl	1.59	1.26	1.92	
	ng/ml	15.9	12.6	19.2	
	nmol/l	12.9	11.0	14.8	DPC Immulite 2000
	µg/dl	1.01	0.86	1.16	
	ng/ml	10.1	8.58	11.6	
	nmol/l	25.8	21.9	29.7	Abbott Architect
	µg/dl	2.01	1.71	2.31	
	ng/ml	20.1	17.1	23.1	
nmol/l	20.0	17.0	23.0	Roche Modular E170	
µg/dl	1.56	1.33	1.79		
ng/ml	15.6	13.3	17.9		
nmol/l	33.4	26.7	40.1	Randox ELISA	
µg/dl	2.61	2.08	3.13		
ng/ml	26.1	20.8	31.3		
Valproic Acid	µmol/l	211	179	243	Abbott AXSYM
	µg/ml	30.4	25.8	35.0	
	µmol/l	203	170	236	DPC Immulite
	µg/ml	29.3	24.5	34.1	
	µmol/l	227	193	261	Hitachi 911/912/917
	µg/ml	32.8	27.8	37.8	
	µmol/l	213	181	245	Roche Integra
	µg/ml	30.7	26.1	35.3	
µmol/l	198	168	228	DPC Immulite 2000	
µg/ml	28.6	24.2	33.0		
Vitamin B12	pmol/l	157	118	196	Roche Elecsys
	pg/ml	213	160	266	
	pmol/l	94.5	69.8	119	Beckman Access
	pg/ml	128	94.6	161	
	pmol/l	113	84.8	141	Bayer ADVIA Centaur
	pg/ml	153	115	191	
	pmol/l	99.2	74.4	124	DPC Immulite 2000
	pg/ml	134	101	167	
pmol/l	89.3	67.0	112	Abbott Architect	
pg/ml	121	90.8	151		

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Range					
analyte	unit	target	low	high	methods
Vitamin B12	pmol/l	143	122	164	Vitros ECI
	pg/ml	194	165	223	
	pmol/l	108	91.1	125	Roche Modular E170
	pg/ml	146	123	169	

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analyte	unit	target	Range		methods
			low	high	
17-OH-Progesterone	nmol/l	18.9	14.2	23.6	DPC Coat-a-Count
	ng/ml	6.26	4.70	7.82	
Alphafoetoprotein	KIU/l =	44.5	35.8	53.2	Abbott AXSYM
	ng/ml	53.8	43.3	64.3	
	KIU/l =	33.9	28.8	39.0	bioMerieux Vidas
	ng/ml	41.0	34.8	47.2	
	KIU/l =	34.9	29.7	40.1	DPC Immulite
	ng/ml	42.2	35.9	48.5	
	KIU/l =	38.9	32.6	45.2	Roche Elecsys
	ng/ml	47.1	39.4	54.8	
	KIU/l =	41.8	35.5	48.1	Beckman Access
	ng/ml	50.6	43.0	58.2	
	KIU/l =	42.7	34.6	50.8	Vitros ECi
	ng/ml	51.7	41.9	61.5	
	KIU/l =	48.0	40.8	55.2	Bayer ADVIA Centaur
	ng/ml	58.1	49.4	66.8	
Beta-2-microglobulin	µg/ml	3.58	3.04	4.12	bioMerieux Vidas
	µg/ml	2.65	2.25	3.05	Abbott AXSYM
	µg/ml	2.97	2.50	3.44	DPC Immulite 2000
CA125	U/ml	93.1	75.0	111	Abbott AXSYM
	U/ml	65.1	55.3	74.9	DPC Immulite
	U/ml	71.1	60.4	81.8	bioMerieux Vidas
	U/ml	77.2	65.6	88.8	Roche Elecsys
	U/ml	56.4	47.9	64.9	DPC Immulite 2000
	U/ml	64.3	54.7	73.9	Vitros ECi
	U/ml	80.1	68.1	92.1	Roche Modular E170
	U/ml	65.5	55.7	75.3	Bayer ADVIA Centaur CA125 II kit
CA 15-3	U/ml	49.6	42.2	57.0	Roche Elecsys
	U/ml	56.0	47.6	64.4	bioMerieux Vidas
	U/ml	66.7	55.9	77.5	Bayer ADVIA Centaur
	U/ml	81.0	68.9	93.1	DPC Immulite 2000
	U/ml	56.6	47.8	65.4	Abbott AXSYM

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Range					
analyte	unit	target	low	high	methods
CA 15-3	U/ml	78.8	64.1	93.5	DPC Immulite
	U/ml	52.7	44.8	60.6	Vitros ECI
	U/ml	50.2	42.7	57.7	Roche Modular E170
CA 19-9	U/ml	69.7	56.3	83.1	Abbott AXSYM
	U/ml	95.7	70.8	121	DPC Immulite
	U/ml	91.2	74.2	108	bioMerieux Vidas
	U/ml	61.1	51.9	70.3	Roche Elecsys
	U/ml	156	132	180	Bayer ADVIA Centaur
	U/ml	94.4	80.2	109	DPC Immulite 2000
	U/ml	91.8	78.0	106	Abbott Architect
	U/ml	123	105	141	Vitros ECI
Carbamazepine	µmol/l	34.7	26.3	43.1	Vitros
	µg/ml	8.20	6.22	10.2	
	µmol/l	37.2	31.6	42.8	Abbott AXSYM
	µg/ml	8.79	7.47	10.1	
	µmol/l	36.1	27.1	45.1	Bayer ADVIA Centaur
	µg/ml	8.53	6.41	10.7	
	µmol/l	31.7	25.0	38.4	DPC Immulite
	µg/ml	7.49	5.91	9.07	
	µmol/l	42.8	36.4	49.2	Roche Integra
	µg/ml	10.1	8.60	11.6	
	µmol/l	38.6	32.8	44.4	Hitachi 911/912/917
	µg/ml	9.13	7.75	10.5	
Carcinoembryonic Antigen (CEA)	ng/ml =	19.7	16.7	22.7	Abbott AXSYM
	ng/ml =	17.6	15.0	20.2	bioMerieux Vidas
	ng/ml =	20.6	17.3	23.9	Bayer ACS 180
	ng/ml =	26.7	22.7	30.7	DPC Immulite
	ng/ml =	18.5	15.7	21.3	Roche Elecsys
	ng/ml =	21.9	18.6	25.2	Vitros ECI
	ng/ml =	16.1	13.7	18.5	Beckman Access
	ng/ml =	20.0	16.9	23.1	Bayer ADVIA Centaur
	ng/ml =	24.4	20.7	28.1	DPC Immulite 2000
	ng/ml =	19.6	16.7	22.5	Abbott Architect
	ng/ml =	18.1	15.4	20.8	Roche Modular E170
	Cortisol	nmol/l	719	611	827
µg/dl		25.9	22.0	29.8	bioMerieux Vidas
nmol/l		752	639	865	
µg/dl		27.1	23.0	31.2	
nmol/l		583	418	748	Bayer ACS 180
	µg/dl	21.0	15.0	27.0	

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analyte	unit	target	Range		methods
			low	high	
Cortisol	nmol/l	736	587	885	DPC Immulite
	µg/dl	26.5	21.1	31.9	
	nmol/l	692	588	796	Roche Elecsys
	µg/dl	24.9	21.2	28.6	
	nmol/l	724	611	837	Beckman Access
	µg/dl	26.1	22.0	30.2	
	nmol/l	641	534	748	Bayer ADVIA Centaur
	µg/dl	23.1	19.2	27.0	
DHEA-S	nmol/l	727	591	863	DPC Immulite 2000
	µg/dl	26.2	21.3	31.1	
	nmol/l	605	514	696	Vitros Eci
	µg/dl	21.8	18.5	25.1	
	nmol/l	710	604	816	Roche Modular E170
	µg/dl	25.6	21.7	29.5	
	µmol/l	13.2	9.90	16.5	DPC Immulite
	µmol/l	13.5	11.4	15.6	DPC Immulite 2000
Digoxin	µmol/l	17.5	14.9	20.1	Roche Elecsys
	nmol/l	2.87	2.44	3.30	Beckman Access
	ng/ml	2.24	1.91	2.57	
	nmol/l	3.06	2.59	3.53	Abbott AXSYM
	ng/ml	2.39	2.02	2.76	
	nmol/l	3.46	2.94	3.98	Vitros
	ng/ml	2.70	2.30	3.10	
	nmol/l	3.14	2.67	3.61	DPC Immulite
	ng/ml	2.45	2.09	2.81	
	nmol/l	2.88	2.45	3.31	bioMerieux Vidas
	ng/ml	2.25	1.91	2.59	
	nmol/l	3.15	2.68	3.62	Roche Elecsys
	ng/ml	2.46	2.09	2.83	
	nmol/l	2.94	2.16	3.72	Roche Integra
ng/ml	2.30	1.69	2.91		
Ferritin	nmol/l	3.19	2.71	3.67	Bayer ADVIA Centaur
	ng/ml	2.49	2.12	2.86	
	nmol/l	3.15	2.66	3.64	Roche Modular E170
	ng/ml	2.46	2.08	2.84	
	ng/ml =	86.4	70.6	102	Abbott AXSYM
	ng/ml =	80.7	62.6	98.8	bioMerieux Vidas
	ng/ml =	80.2	68.2	92.2	Bayer ACS 180
	ng/ml =	74.7	53.1	96.3	DPC Immulite
	ng/ml =	83.0	68.0	98.0	Roche Elecsys
	ng/ml =	69.7	59.2	80.2	Beckman Access

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Range					
analyte	unit	target	low	high	methods
Ferritin	ng/ml =	60.9	51.8	70.0	Vitros ECI
	ng/ml =	72.4	61.0	83.8	Bayer ADVIA Centaur
	ng/ml =	78.9	64.5	93.3	DPC Immulite 2000
	ng/ml =	77.6	60.9	94.3	Abbott Architect
	ng/ml =	87.0	74.0	100	Roche Modular E170
	ng/ml =	80.8	68.7	92.9	Dade Dimension
Folate	nmol/l	16.9	14.4	19.4	Beckman Access
	ng/ml	7.45	6.35	8.55	
	nmol/l	26.5	20.8	32.2	Roche Elecsys
	ng/ml	11.7	9.17	14.2	
	nmol/l	18.5	15.7	21.3	DPC Immulite 2000
	ng/ml	8.16	6.92	9.40	
	nmol/l	14.3	11.0	17.6	Vitros ECI
	ng/ml	6.31	4.85	7.77	
	nmol/l	16.8	13.2	20.4	Abbott Architect
	ng/ml	7.41	5.82	9.00	
	nmol/l	24.1	20.5	27.7	Roche Modular E170
	ng/ml	10.6	9.04	12.2	
Free T3	pmol/l	21.2	16.0	26.4	Abbott IMx
	ng/dl	1.38	1.04	1.72	
	pg/ml	13.8	10.4	17.2	
	pmol/l	20.1	16.9	23.3	Abbott AXSYM
	ng/dl	1.31	1.10	1.52	
	pg/ml	13.1	11.0	15.2	
	pmol/l	18.1	15.4	20.8	bioMerieux Vidas
	ng/dl	1.18	1.00	1.36	
	pg/ml	11.8	10.0	13.6	
	pmol/l	16.2	13.0	19.4	Bayer ACS 180
	ng/dl	1.05	0.85	1.25	
	pg/ml	10.5	8.46	12.5	
	pmol/l	20.7	17.6	23.8	Roche Elecsys
	ng/dl	1.35	1.14	1.56	
	pg/ml	13.5	11.5	15.5	
	pmol/l	28.2	23.8	32.6	Beckman Access
	ng/dl	1.83	1.55	2.11	
	pg/ml	18.4	15.5	21.3	
	pmol/l	10.9	8.69	13.1	DPC Immulite
	ng/dl	0.71	0.56	0.86	
pg/ml	7.10	5.66	8.54		
pmol/l	27.2	23.1	31.3	Vitros ECI	
ng/dl	1.77	1.50	2.04		
pg/ml	17.7	15.0	20.4		

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Range					
analyte	unit	target	low	high	methods
Free T3	pmol/l	15.6	13.3	17.9	Bayer ADVIA Centaur
	ng/dl	1.01	0.86	1.16	
	pg/ml	10.2	8.66	11.7	
	pmol/l	12.2	10.4	14.0	DPC Immulite 2000
	ng/dl	0.79	0.68	0.90	
	pg/ml	7.94	6.77	9.11	
	pmol/l	18.9	16.1	21.7	Abbott Architect
	ng/dl	1.23	1.05	1.41	
	pg/ml	12.3	10.5	14.1	
	pmol/l	21.4	17.8	25.0	Roche Modular E170
	ng/dl	1.39	1.16	1.62	
	pg/ml	13.9	11.6	16.2	
Free T4	pmol/l	22.2	18.9	25.5	Abbott IMx
	ng/dl	1.73	1.47	1.99	
	pg/ml	17.3	14.7	19.9	
	pmol/l	21.7	18.4	25.0	Abbott AXSYM
	ng/dl	1.69	1.44	1.94	
	pg/ml	16.9	14.4	19.4	
	pmol/l	24.4	20.7	28.1	bioMerieux Vidas
	ng/dl	1.90	1.61	2.19	
	pg/ml	19.0	16.1	21.9	
	pmol/l	27.8	23.6	32.0	Bayer ACS 180
	ng/dl	2.17	1.84	2.50	
	pg/ml	21.7	18.4	25.0	
	pmol/l	30.2	25.6	34.8	DPC Immulite
	ng/dl	2.36	2.00	2.72	
	pg/ml	23.6	20.0	27.2	
	pmol/l	34.5	29.3	39.7	Roche Elecsys
	ng/dl	2.69	2.29	3.09	
	pg/ml	26.9	22.9	30.9	
	pmol/l	31.6	26.9	36.3	Beckman Access
	ng/dl	2.46	2.10	2.82	
	pg/ml	24.6	21.0	28.2	
	pmol/l	48.4	41.1	55.7	Vitros ECi
	ng/dl	3.78	3.21	4.35	
	pg/ml	37.8	32.1	43.5	
pmol/l	28.2	24.0	32.4	Bayer ADVIA Centaur	
ng/dl	2.20	1.87	2.53		
pg/ml	22.0	18.7	25.3		
pmol/l	31.9	27.1	36.7	DPC Immulite 2000	
ng/dl	2.49	2.11	2.87		
pg/ml	24.9	21.1	28.7		

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IMMUNOASSAY CONTROL LEVEL 2

Art.-Nr.: KG2638/KG2633 CH.-B.:498 Verw.-bis: 11/2007

analyte	unit	target	Range		methods	
			low	high		
Free T4	pmol/l	29.0	24.4	33.6	Abbott Architect	
	ng/dl	2.26	1.90	2.62		
	pg/ml	22.6	19.0	26.2		
	pmol/l	35.2	29.9	40.5	Roche Modular E170	
	ng/dl	2.75	2.33	3.17		
	pg/ml	27.5	23.3	31.7		
	pmol/l	38.1	28.6	47.6	Dade Dimension	
	ng/dl	2.97	2.23	3.71		
	pg/ml	29.7	22.3	37.1		
	FSH	mU/ml	33.1	25.5	40.7	DPC Immulite
		mU/ml	33.2	27.8	38.6	Bayer ACS 180
		mU/ml	34.3	29.2	39.4	bioMerieux Vidas
mU/ml		27.7	23.2	32.2	Abbott AXSYM	
mU/ml		31.0	26.4	35.6	Beckman Access	
mU/ml		31.8	27.0	36.6	Roche/BM Elecsys	
mU/ml		26.5	22.5	30.5	Vitros ECi	
mU/ml		30.4	25.8	35.0	Bayer ADVIA Centaur	
mU/ml		30.6	26.0	35.2	DPC Immulite 2000	
mU/ml		28.3	24.1	32.5	Abbott Architect	
mU/ml		29.9	25.4	34.4	Roche Modular E170	
Growth Hormone (GH)	uU/ml	29.0	24.7	33.3	DPC Immulite	
	uU/ml	27.7	23.5	31.9	DPC Immulite 2000	
Human Chorionic Gonadotrophin (HCG)	mU/ml	31.5	26.8	36.2	Abbott AXSYM	
	mU/ml	23.0	18.8	27.2	bioMerieux Vidas	
	mU/ml	28.1	23.9	32.3	Bayer ACS 180	
	mU/ml	29.3	24.8	33.8	DPC Immulite	
	mU/ml	23.6	20.1	27.1	Roche Elecsys	
	mU/ml	23.6	20.1	27.1	Beckman Access	
	mU/ml	25.5	21.5	29.5	Vitros ECi	
	mU/ml	27.9	23.7	32.1	Bayer ADVIA Centaur	
	mU/ml	30.0	25.5	34.5	DPC Immulite 2000	
	mU/ml	24.0	20.4	27.6	Abbott Architect	
	mU/ml	22.8	19.4	26.2	Roche Modular E170	
Immunoglobulin E	KIU/l =	117	94.1	140	Bayer ACS 180	
	KIU/l =	119	101	137	DPC Immulite	
	KIU/l =	110	93.5	127	Abbott IMx	
	KIU/l =	111	91.3	131	bioMerieux Vidas	
	KIU/l =	114	91.0	137	Beckman Access	

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Range					
analyte	unit	target	low	high	methods
Immunoglobulin E	KIU/l =	115	97.8	132	Pharmacia Unicap
	KIU/l =	125	106	144	Roche Elecsys
	KIU/l =	121	103	139	Bayer ADVIA Centaur
	KIU/l =	119	101	137	DPC Immulite 2000
Luteinising Hormone (LH)	mU/ml	39.1	32.5	45.7	Abbott AXSYM
	mU/ml	27.4	22.8	32.0	Beckman Access
	mU/ml	34.1	29.0	39.2	bioMerieux Vidas
	mU/ml	34.4	27.6	41.2	Bayer ACS 180
	mU/ml	47.8	40.6	55.0	DPC Immulite
	mU/ml	37.4	31.8	43.0	Roche Elecsys
	mU/ml	51.7	43.9	59.5	Vitros ECi
	mU/ml	38.7	32.9	44.5	Bayer ADVIA Centaur
	mU/ml	46.6	39.6	53.6	DPC Immulite 2000
	mU/ml	46.5	39.0	54.0	Abbott Architect
	mU/ml	36.5	31.0	42.0	Roche Modular E170
Oestradiol	pmol/l	938	797	1079	Abbott AXSYM
	pg/ml	255	217	293	
	pmol/l	966	821	1111	bioMerieux Vidas
	pg/ml	263	223	303	
	pmol/l	842	716	968	Bayer ACS 180
	pg/ml	229	195	263	
	pmol/l	840	678	1002	DPC Immulite
	pg/ml	228	184	272	
	pmol/l	588	425	751	DPC Coat-a-Count
	pg/ml	160	116	204	
	pmol/l	934	794	1074	Roche Elecsys
	pg/ml	254	216	292	
	pmol/l	839	713	965	Vitros ECi
	pg/ml	228	194	262	
	pmol/l	1001	806	1196	Beckman Access
	pg/ml	272	219	325	
	pmol/l	868	738	998	Bayer ADVIA Centaur
pg/ml	236	201	271		
pmol/l	850	723	977	DPC Immulite 2000	
pg/ml	231	197	265		
pmol/l	865	720	1010	Abbott Architect	
pg/ml	235	196	274		
pmol/l	1004	853	1155	Roche Modular E170	
pg/ml	273	232	314		
Phenytoin	µmol/l	63.2	53.7	72.7	Abbott AXSYM
	µg/ml	16.0	13.6	18.4	

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analyte	unit	target	Range		methods
			low	high	
Phenytoin	µmol/l	62.2	52.0	72.4	Vitros
	µg/ml	15.7	13.1	18.3	
	µmol/l	58.6	44.0	73.2	DPC Immulite
	µg/ml	14.8	11.1	18.5	
Progesterone	nmol/l	32.3	26.5	38.1	Beckman Access
	ng/ml	10.1	8.29	11.9	
	nmol/l	32.2	27.4	37.0	Abbott AXSYM
	ng/ml	10.1	8.58	11.6	
	nmol/l	25.9	21.1	30.7	Bayer ACS 180
	ng/ml	8.11	6.60	9.62	
	nmol/l	31.8	25.6	38.0	DPC Immulite
	ng/ml	9.95	8.01	11.9	
	nmol/l	31.9	25.6	38.2	DPC Coat-a-Count
	ng/ml	9.98	8.01	12.0	
	nmol/l	38.8	33.0	44.6	bioMerieux Vidas
	ng/ml	12.1	10.3	13.9	
	nmol/l	30.6	26.0	35.2	Roche Elecsys
	ng/ml	9.58	8.14	11.0	
	nmol/l	37.9	32.2	43.6	Vitros ECi
	ng/ml	11.9	10.1	13.7	
nmol/l	29.7	24.5	34.9	Bayer ADVIA Centaur	
ng/ml	9.30	7.67	10.9		
nmol/l	28.7	23.1	34.3	DPC Immulite 2000	
ng/ml	8.98	7.23	10.7		
nmol/l	32.9	28.0	37.8	Roche Modular E170	
ng/ml	10.3	8.76	11.8		
nmol/l	34.9	26.2	43.6	Randox ELISA	
ng/ml	10.9	8.20	13.6		
Prolactin	µU/ml	769	617	921	Beckman Access
	µU/ml	1105	939	1271	Abbott AXSYM
	µU/ml	779	662	896	bioMerieux Vidas
	µU/ml	825	644	1006	Bayer ACS 180
	µU/ml	892	758	1026	DPC Immulite
	µU/ml	923	785	1061	Roche Elecsys
	µU/ml	823	700	946	Vitros ECi
	µU/ml	759	645	873	Bayer ADVIA Centaur
	µU/ml	831	706	956	DPC Immulite 2000
	µU/ml	762	623	901	Abbott Architect
	µU/ml	888	755	1021	Roche Modular E170
	µU/ml	837	628	1046	Randox ELISA
PSA Free	ng/ml =	7.76	6.47	9.05	DPC Immulite
	ng/ml =	7.90	6.72	9.08	DPC Immulite 2000

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analyte	unit	target	Range		methods
			low	high	
PSA Free	ng/ml =	6.97	5.92	8.02	Abbott Axsym - monoclonal
	ng/ml =	6.75	5.74	7.76	Roche Elecsys
	ng/ml =	7.87	6.69	9.05	Abbott Architect
	ng/ml =	7.04	5.98	8.10	Roche Modular E170
PSA Total	ng/ml =	7.55	6.28	8.82	Abbott Axsym - monoclonal
	ng/ml =	9.05	7.69	10.4	DPC Immulite 1st generation
	ng/ml =	14.9	12.7	17.1	Roche Elecsys
	ng/ml =	13.7	11.3	16.1	Beckman Access-non-standardised results
	ng/ml =	11.5	9.78	13.2	Bayer ADVIA Centaur (equimolar)
	ng/ml =	11.9	10.1	13.7	Bayer ACS180 (equimolar)
	ng/ml =	9.07	7.71	10.4	bioMerieux VIDAS TPSA
	ng/ml =	7.57	6.18	8.96	Abbott IMx - monoclonal
	ng/ml =	8.25	7.01	9.49	DPC Immulite 2000 1st Generation
	ng/ml =	12.3	10.5	14.1	Abbott Architect
	ng/ml =	8.05	5.98	10.1	DPC Immulite 3rd Generation
	ng/ml =	7.26	6.17	8.35	DPC Immulite 2000 3rd Generation
	ng/ml =	4.74	3.98	5.50	Vitros ECI
	ng/ml =	14.3	12.2	16.4	Roche Modular E170
Testosterone	nmol/l	15.1	10.9	19.3	Bayer ACS 180
	ng/ml	4.35	3.14	5.56	
	ng/dl	435	314	556	
	nmol/l	24.4	17.9	30.9	DPC Immulite
	ng/ml	7.03	5.16	8.90	
	ng/dl	703	516	890	
	nmol/l	18.7	15.9	21.5	Roche Elecsys
	ng/ml	5.39	4.58	6.20	
	ng/dl	539	458	620	
	nmol/l	20.6	17.5	23.7	Vitros ECI
	ng/ml	5.93	5.04	6.82	
	ng/dl	593	504	682	
	nmol/l	15.4	12.0	18.8	Bayer ADVIA Centaur
	ng/ml	4.44	3.46	5.42	
	ng/dl	444	346	542	
	nmol/l	26.7	22.4	31.0	DPC Immulite 2000
	ng/ml	7.69	6.45	8.93	
	ng/dl	769	645	893	
	nmol/l	19.7	16.7	22.7	Abbott Architect
	ng/ml	5.67	4.81	6.53	
ng/dl	567	481	653		
nmol/l	25.0	20.3	29.7	bioMerieux Vidas	
ng/ml	7.20	5.85	8.55		
ng/dl	720	585	855		

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analyte	unit	target	Range		methods
			low	high	
Testosterone	nmol/l	16.6	13.7	19.5	Beckman Access
	ng/ml	4.78	3.95	5.61	
	ng/dl	478	395	561	
	nmol/l	21.2	18.0	24.4	Roche Modular E170
	ng/ml	6.11	5.18	7.04	
	ng/dl	611	518	704	
Theophylline	µmol/l	82.5	70.1	94.9	Abbott AXSYM
	µg/ml	14.9	12.6	17.2	
	µmol/l	101	85.9	116	Vitros
	µg/ml	18.2	15.5	20.9	
Thyroid Stimulating Hormone	µU/ml =	2.07	1.76	2.38	Abbott IMx Ultrasensitive hTSH II
	µU/ml =	2.09	1.77	2.41	Abbott Axsym Ultrasensitive hTSH II
	µU/ml =	2.68	2.28	3.08	bioMerieux VIDAS TSH
	µU/ml =	2.50	2.13	2.87	Bayer ACS 180
	µU/ml =	2.43	2.07	2.79	DPC Immulite
	µU/ml =	2.57	2.18	2.96	Roche Elecsys
	µU/ml =	2.22	1.89	2.55	Beckman Access
	µU/ml =	2.98	2.53	3.43	Vitros ECi
	µU/ml =	2.48	2.11	2.85	Bayer ADVIA Centaur
	µU/ml =	2.30	1.96	2.64	DPC Immulite 2000
	µU/ml =	2.00	1.70	2.30	Abbott Architect Ultrasensitive hTSH II
	µU/ml =	2.71	2.03	3.39	Abbott Axsym 3rd generation
	µU/ml =	2.82	2.40	3.24	Byk Liaison
	µU/ml =	2.65	2.25	3.05	Roche Modular E170
	µU/ml =	2.54	2.14	2.94	Dade Dimension
	µU/ml =	2.04	1.72	2.36	Abbott Architect 3rd generation
µU/ml =	2.31	1.85	2.77	Randox ELISA	
Total T3	nmol/l	5.31	4.48	6.14	Abbott AXSYM
	ng/ml	3.46	2.92	4.00	
	ng/dl	346	292	400	
	nmol/l	5.54	4.71	6.37	bioMerieux Vidas
	ng/ml	3.61	3.07	4.15	
	ng/dl	361	307	415	
	nmol/l	6.73	5.30	8.16	Bayer ACS 180
	ng/ml	4.38	3.45	5.31	
	ng/dl	438	345	531	
	nmol/l	4.63	3.45	5.81	DPC Coat-a-Count
	ng/ml	3.01	2.25	3.77	
	ng/dl	301	225	377	
nmol/l	5.10	4.13	6.07	DPC Immulite	
ng/ml	3.32	2.69	3.95		
ng/dl	332	269	395		

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analyte	unit	target	Range		methods
			low	high	
Total T3	nmol/l	5.30	4.51	6.09	Roche Elecsys
	ng/ml	3.45	2.94	3.96	
	ng/dl	345	294	396	
	nmol/l	4.90	4.17	5.63	Beckman Access
	ng/ml	3.19	2.71	3.67	
	ng/dl	319	271	367	
	nmol/l	5.89	5.01	6.77	Bayer ADVIA Centaur
	ng/ml	3.83	3.26	4.40	
	ng/dl	383	326	440	
	nmol/l	4.79	4.07	5.51	DPC Immulite 2000
	ng/ml	3.12	2.65	3.59	
	ng/dl	312	265	359	
	nmol/l	5.23	4.45	6.01	Abbott Architect
	ng/ml	3.40	2.90	3.90	
	ng/dl	340	290	390	
nmol/l	5.82	4.95	6.69	Vitros ECi	
ng/ml	3.79	3.22	4.36		
ng/dl	379	322	436		
nmol/l	4.93	4.19	5.67	Roche Modular E170	
ng/ml	3.21	2.73	3.69		
ng/dl	321	273	369		
nmol/l	5.06	3.80	6.32	Randox ELISA	
ng/ml	3.29	2.47	4.11		
ng/dl	329	247	411		
Total T4	nmol/l	139	110	168	Vitros ECi
	µg/dl	10.8	8.58	13.0	
	ng/ml	108	85.8	130	
	nmol/l	161	137	185	Abbott AXSYM
	µg/dl	12.6	10.7	14.5	
	ng/ml	126	107	145	
	nmol/l	142	121	163	bioMerieux Vidas
	µg/dl	11.1	9.44	12.8	
	ng/ml	111	94.4	128	
	nmol/l	151	128	174	Bayer ACS 180
	µg/dl	11.8	9.98	13.6	
	ng/ml	118	99.8	136	
	nmol/l	132	112	152	DPC Coat-a-Count
	µg/dl	10.3	8.74	11.9	
	ng/ml	103	87.4	119	
nmol/l	141	120	162	DPC Immulite	
µg/dl	11.0	9.36	12.6		
ng/ml	110	93.6	126		

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analyte	unit	target	Range		methods	
			low	high		
Total T4	nmol/l	132	112	152	Roche Elecsys	
	µg/dl	10.3	8.74	11.9		
	ng/ml	103	87.4	119		
	nmol/l	149	127	171	Beckman Access	
		µg/dl	11.6	9.91		13.3
		ng/ml	116	99.1		133
	nmol/l	148	126	170	Bayer ADVIA Centaur	
		µg/dl	11.5	9.83		13.2
		ng/ml	115	98.3		132
	nmol/l	136	113	159	DPC Immulite 2000	
		µg/dl	10.6	8.81		12.4
		ng/ml	106	88.1		124
nmol/l	161	137	185	Abbott Architect		
	µg/dl	12.6	10.7		14.5	
	ng/ml	126	107		145	
nmol/l	135	115	155	Roche Modular E170		
	µg/dl	10.5	8.97		12.0	
	ng/ml	105	89.7		120	
nmol/l	142	107	177	Randox ELISA		
	µg/dl	11.1	8.35		13.8	
	ng/ml	111	83.5		138	
Valproic Acid	µmol/l	547	465	629	Abbott AXSYM	
	µg/ml	78.9	67.1	90.7		
	µmol/l	532	452	612	DPC Immulite	
	µg/ml	76.8	65.2	88.4		
	µmol/l	581	494	668	Hitachi 911/912/917	
	µg/ml	83.8	71.3	96.3		
	µmol/l	533	453	613	Roche Integra	
	µg/ml	76.9	65.4	88.4		
µmol/l	553	470	636	DPC Immulite 2000		
µg/ml	79.8	67.8	91.8			
µmol/l	529	450	608	Bayer ADVIA Centaur		
	µg/ml	76.3	64.9		87.7	
Vitamin B12	pmol/l	453	385	521	Abbott AXSYM	
	pg/ml	614	522	706		
	pmol/l	441	356	526	Bayer ACS 180	
	pg/ml	598	482	714		
	pmol/l	514	423	605	Roche Elecsys	
	pg/ml	696	573	819		
	pmol/l	423	323	523	Beckman Access	
	pg/ml	573	438	708		

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Range					
analyte	unit	target	low	high	methods
Vitamin B12	pmol/l	470	353	587	DPC Immulite
	pg/ml	637	478	796	
	pmol/l	502	427	577	Bayer ADVIA Centaur
	pg/ml	680	579	781	
	pmol/l	475	404	546	DPC Immulite 2000
	pg/ml	644	547	741	
	pmol/l	445	366	524	Abbott Architect
	pg/ml	603	496	710	
	pmol/l	540	459	621	Vitros ECi
	pg/ml	732	622	842	
	pmol/l	463	394	532	Roche Modular E170
	pg/ml	627	534	720	

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analyte	unit	target	Range		methods	
			low	high		
17-OH-Progesterone	nmol/l	54.0	40.5	67.5	DPC Coat-a-Count	
	ng/ml	17.9	13.4	22.4		
Alphafoetoprotein	KIU/l =	200	141	259	Abbott AXSYM	
	ng/ml	242	171	313		
	KIU/l =	144	122	166	bioMerieux Vidas	
	ng/ml	174	148	200		
	KIU/l =	134	114	154	DPC Immulite	
	ng/ml	162	138	186		
	KIU/l =	158	133	183	Roche Elecsys	
	ng/ml	191	161	221		
	KIU/l =	160	136	184	Beckman Access	
	ng/ml	194	165	223		
	KIU/l =	168	138	198	Vitros ECI	
	ng/ml	203	167	239		
Beta-2-microglobulin	KIU/l =	187	159	215	Bayer ADVIA Centaur	
	ng/ml	226	192	260		
	KIU/l =	131	111	151	DPC Immulite 2000	
	ng/ml	159	134	184		
	KIU/l =	169	144	194	Abbott Architect	
	ng/ml	204	174	234		
	KIU/l =	163	139	187	Roche Modular E170	
	ng/ml	197	168	226		
	Beta-2-microglobulin	µg/ml	7.18	5.72	8.64	DPC Immulite
		µg/ml	7.42	5.28	9.56	bioMerieux Vidas
		µg/ml	5.95	4.55	7.35	Abbott AXSYM
		µg/ml	6.16	5.24	7.08	DPC Immulite 2000
CA125	U/ml	199	154	244	Abbott AXSYM	
	U/ml	135	110	160	DPC Immulite	
	U/ml	163	139	187	bioMerieux Vidas	
	U/ml	164	139	189	Roche Elecsys	
	U/ml	138	117	159	Bayer ADVIA Centaur OV kit	
	U/ml	120	102	138	DPC Immulite 2000	
	U/ml	145	123	167	Vitros ECI	
	U/ml	173	147	199	Roche Modular E170	
	U/ml	201	171	231	Abbott Architect	
	U/ml	143	121	165	Bayer ADVIA Centaur CA125 II kit	
CA 15-3	U/ml	115	94.4	136	Beckman Access	
	U/ml	77.9	66.2	89.6	Roche Elecsys	

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Range					
analyte	unit	target	low	high	methods
CA 15-3	U/ml	89.0	75.5	103	bioMerieux Vidas
	U/ml	109	92.2	126	Bayer ADVIA Centaur
	U/ml	127	108	146	DPC Immulite 2000
	U/ml	90.0	74.7	105	Abbott AXSYM
	U/ml	132	105	159	DPC Immulite
	U/ml	87.3	72.1	103	Vitros ECi
	U/ml	78.4	66.6	90.2	Roche Modular E170
CA 19-9	U/ml	131	111	151	Abbott AXSYM
	U/ml	198	163	233	DPC Immulite
	U/ml	183	156	210	bioMerieux Vidas
	U/ml	116	98.6	133	Roche Elecsys
	U/ml	300	255	345	Bayer ADVIA Centaur
	U/ml	183	156	210	DPC Immulite 2000
	U/ml	179	152	206	Abbott Architect
	U/ml	247	210	284	Vitros ECi
	U/ml	118	100	136	Roche Modular E170
Carbamazepine	µmol/l	70.5	59.9	81.1	Vitros
	µg/ml	16.7	14.2	19.2	
	µmol/l	71.5	60.8	82.2	Abbott AXSYM
	µg/ml	16.9	14.4	19.4	
	µmol/l	63.6	54.1	73.1	DPC Immulite
	µg/ml	15.0	12.8	17.2	
	µmol/l	85.7	72.8	98.6	Roche Integra
	µg/ml	20.3	17.2	23.4	
	µmol/l	74.3	63.2	85.4	Hitachi 911/912/917
	µg/ml	17.6	14.9	20.3	
Carcinoembryonic Antigen (CEA)	ng/ml =	43.5	37.0	50.0	Abbott AXSYM
	ng/ml =	43.2	36.7	49.7	bioMerieux Vidas
	ng/ml =	58.8	50.0	67.6	DPC Immulite
	ng/ml =	40.2	34.2	46.2	Roche Elecsys
	ng/ml =	48.3	41.1	55.5	Vitros ECi
	ng/ml =	37.3	31.7	42.9	Beckman Access
	ng/ml =	44.4	37.7	51.1	Bayer ADVIA Centaur
	ng/ml =	55.3	47.0	63.6	DPC Immulite 2000
	ng/ml =	42.8	36.4	49.2	Abbott Architect
	ng/ml =	39.9	33.9	45.9	Roche Modular E170
Cortisol	nmol/l	1061	768	1354	Abbott TDx/FLx
	µg/dl	38.2	27.6	48.8	
	nmol/l	1106	915	1297	Abbott AXSYM
	µg/dl	39.8	32.9	46.7	

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Range					
analyte	unit	target	low	high	methods
Cortisol	nmol/l	1235	1013	1457	bioMerieux Vidas
	µg/dl	44.5	36.5	52.5	
	nmol/l	1021	806	1236	Bayer ACS 180
	µg/dl	36.8	29.0	44.6	
	nmol/l	1160	986	1334	DPC Immulite
	µg/dl	41.8	35.5	48.1	
	nmol/l	1141	856	1426	DPC Coat-a-Count
	µg/dl	41.1	30.8	51.4	
	nmol/l	1067	907	1227	Roche Elecsys
	µg/dl	38.4	32.7	44.1	
	nmol/l	1081	919	1243	Beckman Access
	µg/dl	38.9	33.1	44.7	
	nmol/l	969	757	1181	Bayer ADVIA Centaur
	µg/dl	34.9	27.3	42.5	
nmol/l	1110	908	1312	DPC Immulite 2000	
µg/dl	40.0	32.7	47.3		
nmol/l	980	830	1130	Vitros ECI	
µg/dl	35.3	29.9	40.7		
nmol/l	1066	906	1226	Roche Modular E170	
µg/dl	38.4	32.6	44.2		
DHEA-S	µmol/l	23.1	17.7	28.5	DPC Immulite
	µmol/l	23.0	19.6	26.4	DPC Immulite 2000
	µmol/l	38.9	29.2	48.6	Roche Elecsys
Digoxin	nmol/l	4.71	4.00	5.42	Beckman Access
	ng/ml	3.68	3.12	4.24	
	nmol/l	4.50	3.83	5.17	Abbott AXSYM
	ng/ml	3.51	2.99	4.03	
	nmol/l	4.89	4.16	5.62	Vitros
	ng/ml	3.82	3.25	4.39	
	nmol/l	4.87	4.07	5.67	DPC Immulite
	ng/ml	3.80	3.18	4.42	
	nmol/l	4.66	3.96	5.36	bioMerieux Vidas
	ng/ml	3.64	3.09	4.19	
	nmol/l	5.38	4.44	6.32	Roche Elecsys
	ng/ml	4.20	3.47	4.93	
	nmol/l	5.10	4.34	5.86	Roche Integra
	ng/ml	3.98	3.39	4.57	
	nmol/l	5.14	4.36	5.92	DPC Immulite 2000
	ng/ml	4.01	3.41	4.61	
nmol/l	5.11	4.15	6.07	Bayer ADVIA Centaur	
ng/ml	3.99	3.24	4.74		
nmol/l	5.23	4.44	6.02	Roche Modular E170	
ng/ml	4.08	3.47	4.69		

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Range					
analyte	unit	target	low	high	methods
Ferritin	ng/ml =	276	227	325	Abbott AXSYM
	ng/ml =	255	214	296	bioMerieux Vidas
	ng/ml =	241	205	277	Bayer ACS 180
	ng/ml =	249	212	286	DPC Immulite
	ng/ml =	267	223	311	Roche Elecsys
	ng/ml =	222	189	255	Beckman Access
	ng/ml =	195	152	238	Vitros Eci
	ng/ml =	242	206	278	Bayer ADVIA Centaur
	ng/ml =	251	213	289	DPC Immulite 2000
	ng/ml =	239	201	277	Abbott Architect
	ng/ml =	278	233	323	Roche Modular E170
	ng/ml =	252	214	290	Dade Dimension
Folate	nmol/l	33.3	28.3	38.3	Beckman Access
	ng/ml	14.7	12.5	16.9	
	nmol/l	47.7	33.6	61.8	Roche Elecsys
	ng/ml	21.0	14.8	27.2	
	nmol/l	35.6	29.7	41.5	DPC Immulite 2000
	ng/ml	15.7	13.1	18.3	
	nmol/l	38.6	29.0	48.2	Abbott Architect
	ng/ml	17.0	12.8	21.2	
Free T3	pmol/l	30.0	24.6	35.4	Abbott IMx
	ng/dl	1.95	1.60	2.30	
	pg/ml	19.5	16.0	23.0	
	pmol/l	28.1	22.5	33.7	Abbott AXSYM
	ng/dl	1.83	1.46	2.20	
	pg/ml	18.3	14.6	22.0	
	pmol/l	27.5	23.4	31.6	bioMerieux Vidas
	ng/dl	1.79	1.52	2.06	
	pg/ml	17.9	15.2	20.6	
	pmol/l	25.4	20.1	30.7	Bayer ACS 180
	ng/dl	1.65	1.31	1.99	
	pg/ml	16.5	13.1	19.9	
	pmol/l	32.5	27.6	37.4	Roche Elecsys
	ng/dl	2.11	1.79	2.43	
	pg/ml	21.2	18.0	24.4	
	pmol/l	42.0	35.7	48.3	Beckman Access
ng/dl	2.73	2.32	3.14		
pg/ml	27.3	23.2	31.4		

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Range					
analyte	unit	target	low	high	methods
Free T3	pmol/l	16.1	13.3	18.9	DPC Immulite
	ng/dl	1.05	0.86	1.24	
	pg/ml	10.5	8.66	12.3	
	pmol/l	23.4	19.9	26.9	Bayer ADVIA Centaur
	ng/dl	1.52	1.29	1.75	
	pg/ml	15.2	13.0	17.4	
	pmol/l	17.7	14.9	20.5	DPC Immulite 2000
	ng/dl	1.15	0.97	1.33	
	pg/ml	11.5	9.70	13.3	
	pmol/l	30.7	24.3	37.1	Abbott Architect
	ng/dl	2.00	1.58	2.42	
	pg/ml	20.0	15.8	24.2	
	pmol/l	28.9	23.7	34.1	Byk Liaison
	ng/dl	1.88	1.54	2.22	
	pg/ml	18.8	15.4	22.2	
pmol/l	32.7	27.8	37.6	Roche Modular E170	
ng/dl	2.13	1.81	2.45		
pg/ml	21.3	18.1	24.5		
Free T4	pmol/l	32.2	27.4	37.0	Abbott AXSYM
	ng/dl	2.51	2.14	2.88	
	pg/ml	25.1	21.4	28.8	
	pmol/l	39.8	33.8	45.8	bioMerieux Vidas
	ng/dl	3.10	2.64	3.56	
	pg/ml	31.0	26.4	35.6	
	pmol/l	44.0	37.4	50.6	Bayer ACS 180
	ng/dl	3.43	2.92	3.94	
	pg/ml	34.3	29.2	39.4	
	pmol/l	47.3	39.7	54.9	DPC Immulite
	ng/dl	3.69	3.10	4.28	
	pg/ml	36.9	31.0	42.8	
	pmol/l	53.6	45.6	61.6	Roche Elecsys
	ng/dl	4.18	3.56	4.80	
	pg/ml	41.8	35.6	48.0	
	pmol/l	49.8	42.3	57.3	Beckman Access
	ng/dl	3.88	3.30	4.46	
	pg/ml	38.8	33.0	44.6	
	pmol/l	78.8	67.0	90.6	Vitros ECi
	ng/dl	6.15	5.23	7.07	
	pg/ml	61.5	52.3	70.7	
pmol/l	46.0	39.1	52.9	Bayer ADVIA Centaur	
ng/dl	3.59	3.05	4.13		
pg/ml	35.9	30.5	41.3		

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Range					
analyte	unit	target	low	high	methods
Free T4	pmol/l	49.2	41.8	56.6	DPC Immulite 2000
	ng/dl	3.84	3.26	4.42	
	pg/ml	38.4	32.6	44.2	
	pmol/l	43.0	36.0	50.0	Abbott Architect
	ng/dl	3.35	2.81	3.89	
	pg/ml	33.5	28.1	38.9	
	pmol/l	85.6	72.8	98.4	Byk Liaison
	ng/dl	6.68	5.68	7.68	
	pg/ml	66.8	56.8	76.8	
	pmol/l	57.8	49.1	66.5	Roche Modular E170
	ng/dl	4.51	3.83	5.19	
	pg/ml	45.1	38.3	51.9	
FSH	mU/ml	67.8	55.0	80.6	DPC Immulite
	mU/ml	77.4	64.6	90.2	Bayer ACS 180
	mU/ml	74.4	63.2	85.6	bioMerieux Vidas
	mU/ml	59.1	48.8	69.4	Abbott AXSYM
	mU/ml	68.3	58.1	78.5	Beckman Access
	mU/ml	66.8	56.8	76.8	Roche/BM Elecsys
	mU/ml	55.5	47.2	63.8	Vitros ECI
	mU/ml	69.3	58.9	79.7	Bayer ADVIA Centaur
	mU/ml	66.0	56.1	75.9	DPC Immulite 2000
	mU/ml	59.8	50.8	68.8	Abbott Architect
	mU/ml	62.5	53.1	71.9	Roche Modular E170
	mU/ml	51.3	41.0	61.3	Randox ELISA
Growth Hormone (GH)	uU/ml	77.6	60.7	94.5	DPC Immulite
	uU/ml	67.2	57.1	77.3	DPC Immulite 2000
Human Chorionic Gonadotrophin (HCG)	mU/ml	411	349	473	Abbott AXSYM
	mU/ml	302	256	348	bioMerieux Vidas
	mU/ml	300	231	369	Bayer ACS 180
	mU/ml	380	321	439	DPC Immulite
	mU/ml	293	249	337	Roche Elecsys
	mU/ml	266	226	306	Beckman Access
	mU/ml	336	286	386	Vitros ECI
	mU/ml	294	239	349	Bayer ADVIA Centaur
	mU/ml	391	332	450	DPC Immulite 2000
	mU/ml	282	240	324	Abbott Architect
	mU/ml	290	247	333	Roche Modular E170
	mU/ml	299	254	344	Dade Dimension
Immunoglobulin E	KIU/l =	508	376	640	DPC Immulite
	KIU/l =	506	380	632	Abbott IMx
	KIU/l =	528	437	619	bioMerieux Vidas

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Range					
analyte	unit	target	low	high	methods
Immunoglobulin E	KIU/l =	518	440	596	Beckman Access
	KIU/l =	532	450	614	Pharmacia Unicap
	KIU/l =	573	484	662	Roche Elecsys
	KIU/l =	525	446	604	Bayer ADVIA Centaur
	KIU/l =	511	406	616	DPC Immulite 2000
Luteinising Hormone (LH)	mU/ml	60.5	49.1	71.9	Abbott AXSYM
	mU/ml	40.9	33.6	48.2	Beckman Access
	mU/ml	54.7	46.5	62.9	bioMerieux Vidas
	mU/ml	59.7	49.5	69.9	Bayer ACS 180
	mU/ml	74.0	62.9	85.1	DPC Immulite
	mU/ml	56.8	48.3	65.3	Roche Elecsys
	mU/ml	69.4	59.0	79.8	Vitros ECi
	mU/ml	60.5	51.4	69.6	Bayer ADVIA Centaur
	mU/ml	71.5	60.8	82.2	DPC Immulite 2000
	mU/ml	72.2	61.4	83.0	Abbott Architect
	mU/ml	55.6	47.3	63.9	Roche Modular E170
	mU/ml	63.5	50.8	76.2	Randox ELISA
Oestradiol	pmol/l	1899	1614	2184	Abbott AXSYM
	pg/ml	517	439	595	
	pmol/l	2266	1926	2606	bioMerieux Vidas
	pg/ml	616	524	708	
	pmol/l	1551	1318	1784	Bayer ACS 180
	pg/ml	422	358	486	
	pmol/l	1868	1538	2198	DPC Immulite
	pg/ml	508	418	598	
	pmol/l	1140	831	1449	DPC Coat-a-Count
	pg/ml	310	226	394	
	pmol/l	2103	1788	2418	Roche Elecsys
	pg/ml	572	486	658	
	pmol/l	1933	1643	2223	Vitros ECi
	pg/ml	526	447	605	
	pmol/l	1960	1593	2327	Beckman Access
	pg/ml	533	433	633	
	pmol/l	1794	1328	2260	Bayer ADVIA Centaur
	pg/ml	488	361	615	
	pmol/l	1896	1612	2180	DPC Immulite 2000
	pg/ml	516	438	594	
pmol/l	1727	1468	1986	Abbott Architect	
pg/ml	470	399	541		
pmol/l	2253	1915	2591	Roche Modular E170	
pg/ml	613	521	705		
Phenytoin	µmol/l	87.6	74.5	101	Abbott AXSYM
	µg/ml	22.1	18.8	25.4	

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Range					
analyte	unit	target	low	high	methods
Phenytoin	µmol/l	88.5	74.4	103	Vitros
	µg/ml	22.3	18.8	25.8	
	µmol/l	88.6	70.1	107	DPC Immulite
	µg/ml	22.4	17.7	27.1	
	µmol/l	88.2	75.0	101	Roche Integra
	µg/ml	22.3	18.9	25.7	
Progesterone	µmol/l	87.7	74.5	101	Hitachi 911/912/917
	µg/ml	22.1	18.8	25.4	
	nmol/l	105	81.0	129	Beckman Access
	ng/ml	32.9	25.4	40.4	
	nmol/l	108	88.5	128	Abbott AXSYM
	ng/ml	33.8	27.7	39.9	
	nmol/l	92.6	70.7	115	Bayer ACS 180
	ng/ml	29.0	22.1	35.9	
	nmol/l	102	72.8	131	DPC Immulite
	ng/ml	31.9	22.8	41.0	
Prolactin	nmol/l	164	139	189	bioMerieux Vidas
	ng/ml	51.3	43.5	59.1	
	nmol/l	122	102	142	Roche Elecsys
	ng/ml	38.2	31.9	44.5	
	nmol/l	126	107	145	Vitros ECi
	ng/ml	39.4	33.5	45.3	
	nmol/l	99.5	84.6	114	Bayer ADVIA Centaur
	ng/ml	31.1	26.5	35.7	
	nmol/l	90.8	68.1	114	DPC Immulite 2000
	ng/ml	28.4	21.3	35.5	
Prolactin	nmol/l	121	103	139	Roche Modular E170
	ng/ml	37.9	32.2	43.6	
	nmol/l	125	100	150	Randox ELISA
	ng/ml	39.1	31.3	47.0	
	µU/ml	1389	1181	1597	Beckman Access
	µU/ml	2062	1753	2371	Abbott AXSYM
	µU/ml	1450	1233	1667	bioMerieux Vidas
	µU/ml	1441	1066	1816	Bayer ACS 180
	µU/ml	1640	1394	1886	DPC Immulite
	µU/ml	1612	1370	1854	Roche Elecsys
Prolactin	µU/ml	1385	1177	1593	Bayer ADVIA Centaur
	µU/ml	1552	1319	1785	DPC Immulite 2000
	µU/ml	1364	1159	1569	Abbott Architect
	µU/ml	1568	1333	1803	Roche Modular E170
	µU/ml	1471	1177	1765	Randox ELISA

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Range					
analyte	unit	target	low	high	methods
PSA Free	ng/ml =	15.7	13.3	18.1	DPC Immulite
	ng/ml =	16.5	12.6	20.4	DPC Immulite 2000
	ng/ml =	13.4	11.4	15.4	Abbott AxSYM - monoclonal
	ng/ml =	13.2	11.2	15.2	Roche Elecsys
	ng/ml =	15.8	13.4	18.2	Abbott Architect
	ng/ml =	19.4	16.5	22.3	Beckman Access (Hybritech)
	ng/ml =	14.2	12.1	16.3	Roche Modular E170
PSA Total	ng/ml =	15.3	12.9	17.7	Abbott AxSYM - monoclonal
	ng/ml =	16.7	14.2	19.2	DPC Immulite 1st generation
	ng/ml =	29.4	25.0	33.8	Roche Elecsys
	ng/ml =	26.7	22.7	30.7	Beckman Access-non-standardised results
	ng/ml =	23.1	19.6	26.6	Bayer ADVIA Centaur (equimolar)
	ng/ml =	21.4	16.1	26.7	Bayer ACS180 (equimolar)
	ng/ml =	17.6	15.0	20.2	bioMérieux VIDAS TPSA
	ng/ml =	14.8	12.6	17.0	Abbott IMx - monoclonal
	ng/ml =	16.9	14.4	19.4	DPC Immulite 2000 1st Generation
	ng/ml =	24.6	20.1	29.1	Abbott Architect
	ng/ml =	16.2	13.4	19.0	DPC Immulite 3rd Generation
	ng/ml =	14.3	12.2	16.4	DPC Immulite 2000 3rd Generation
	ng/ml =	9.59	8.15	11.0	Vitros ECI
	ng/ml =	28.8	24.5	33.1	Roche Modular E170
	ng/ml =	19.0	16.2	21.8	Dade Dimension equimolar
Testosterone	nmol/l	33.7	25.3	42.1	DPC Coat-a-Count
	ng/ml	9.71	7.29	12.1	
	ng/dl	971	729	1213	
	nmol/l	47.7	35.9	59.5	DPC Immulite
	ng/ml	13.7	10.3	17.1	
	ng/dl	1374	1034	1714	
	nmol/l	38.8	33.0	44.6	Roche Elecsys
	ng/ml	11.2	9.50	12.9	
	ng/dl	1117	950	1284	
	nmol/l	31.5	25.3	37.7	Bayer ADVIA Centaur
	ng/ml	9.07	7.29	10.9	
	ng/dl	907	729	1085	
	nmol/l	51.2	38.4	64.0	DPC Immulite 2000
	ng/ml	14.7	11.1	18.3	
	ng/dl	1475	1106	1844	
	nmol/l	39.7	33.7	45.7	Abbott Architect
	ng/ml	11.4	9.71	13.1	
	ng/dl	1143	971	1315	
	nmol/l	30.5	25.9	35.1	Beckman Access
	ng/ml	8.78	7.46	10.1	
ng/dl	878	746	1010		

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analyte	unit	target	Range		methods
			low	high	
Testosterone	nmol/l	43.9	37.3	50.5	Roche Modular E170
	ng/ml	12.6	10.7	14.5	
	ng/dl	1264	1074	1454	
Theophylline	µmol/l	171	145	197	Abbott AXSYM
	µg/ml	30.8	26.1	35.5	
	µmol/l	194	165	223	Vitros
	µg/ml	34.9	29.7	40.1	
	µmol/l	170	145	195	Roche Integra
Thyroid Stimulating Hormone	µU/ml =	21.7	16.9	26.5	Abbott IMx Ultrasensitive hTSH II
	µU/ml =	21.0	17.1	24.9	Abbott Xsym Ultrasensitive hTSH II
	µU/ml =	26.7	22.7	30.7	bioMerieux VIDAS TSH
	µU/ml =	24.4	20.7	28.1	Bayer ACS 180
	µU/ml =	25.2	21.4	29.0	DPC Immulite
	µU/ml =	22.9	19.5	26.3	Roche Elecsys
	µU/ml =	23.1	19.6	26.6	Beckman Access
	µU/ml =	34.9	29.7	40.1	Vitros Eci
	µU/ml =	24.5	20.8	28.2	Bayer ADVIA Centaur
	µU/ml =	23.3	19.8	26.8	DPC Immulite 2000
	µU/ml =	20.2	17.2	23.2	Abbott Architect Ultrasensitive hTSH II
	µU/ml =	26.3	22.4	30.2	Byk Liaison
	µU/ml =	23.8	20.2	27.4	Roche Modular E170
	µU/ml =	25.5	21.7	29.3	Dade Dimension
	µU/ml =	26.1	21.8	30.4	bioMerieux VIDAS TSH3 Ultrasensitive
µU/ml =	20.8	17.7	23.9	Abbott Architect 3rd generation	
µU/ml =	17.4	13.9	20.9	Randox ELISA	
Total T3	nmol/l	7.23	5.74	8.72	Abbott AXSYM
	ng/ml	4.71	3.74	5.68	
	ng/dl	471	374	568	
	nmol/l	7.24	6.15	8.33	bioMerieux Vidas
	ng/ml	4.71	4.00	5.42	
	ng/dl	471	400	542	
	nmol/l	7.26	6.02	8.50	DPC Immulite
	ng/ml	4.73	3.92	5.54	
	ng/dl	473	392	554	
	nmol/l	7.49	6.37	8.61	Roche Elecsys
	ng/ml	4.88	4.15	5.61	
	ng/dl	488	415	561	
nmol/l	7.27	6.06	8.48	Beckman Access	
ng/ml	4.73	3.95	5.51		
ng/dl	473	395	551		

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Range					
analyte	unit	target	low	high	methods
Total T3	nmol/l	9.22	7.84	10.6	Bayer ADVIA Centaur
	ng/ml	6.00	5.10	6.90	
	ng/dl	600	510	690	
	nmol/l	7.06	6.00	8.12	DPC Immulite 2000
	ng/ml	4.60	3.91	5.29	
	ng/dl	460	391	529	
	nmol/l	6.87	5.72	8.02	Abbott Architect
	ng/ml	4.47	3.72	5.22	
	ng/dl	447	372	522	
	nmol/l	8.82	7.50	10.1	Vitros ECI
	ng/ml	5.74	4.88	6.60	
	ng/dl	574	488	660	
nmol/l	7.01	5.96	8.06	Roche Modular E170	
ng/ml	4.56	3.88	5.24		
ng/dl	456	388	524		
nmol/l	6.32	5.06	7.58	Randox ELISA	
ng/ml	4.11	3.29	4.93		
ng/dl	411	329	493		
Total T4	nmol/l	193	164	222	Vitros ECI
	µg/dl	15.1	12.8	17.4	
	ng/ml	151	128	174	
	nmol/l	223	158	288	Abbott IMx/FLx/TDx
	µg/dl	17.4	12.3	22.5	
	ng/ml	174	123	225	
	nmol/l	223	190	256	Abbott AXSYM
	µg/dl	17.4	14.8	20.0	
	ng/ml	174	148	200	
	nmol/l	195	166	224	bioMerieux Vidas
	µg/dl	15.2	12.9	17.5	
	ng/ml	152	129	175	
	nmol/l	194	165	223	Bayer ACS 180
	µg/dl	15.1	12.9	17.3	
	ng/ml	151	129	173	
	nmol/l	167	140	194	DPC Coat-a-Count
	µg/dl	13.0	10.9	15.1	
	ng/ml	130	109	151	
nmol/l	190	157	223	DPC Immulite	
µg/dl	14.8	12.2	17.4		
ng/ml	148	122	174		
nmol/l	177	149	205	Roche Elecsys	
µg/dl	13.8	11.6	16.0		
ng/ml	138	116	160		

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analyte	unit	target	Range		methods
			low	high	
Total T4	nmol/l	209	172	246	Beckman Access
	µg/dl	16.3	13.4	19.2	
	ng/ml	163	134	192	
	nmol/l	199	169	229	Bayer ADVIA Centaur
	µg/dl	15.5	13.2	17.8	
	ng/ml	155	132	178	
	nmol/l	184	154	214	DPC Immulite 2000
	µg/dl	14.4	12.0	16.8	
	ng/ml	144	120	168	
	nmol/l	235	189	281	Abbott Architect
	µg/dl	18.3	14.7	21.9	
	ng/ml	183	147	219	
nmol/l	184	156	212	Roche Modular E170	
µg/dl	14.4	12.2	16.6		
ng/ml	144	122	166		
nmol/l	182	146	218	Randox ELISA	
µg/dl	14.2	11.4	17.0		
ng/ml	142	114	170		
Valproic Acid	µmol/l	973	827	1119	Abbott AXSYM
	µg/ml	140	119	161	
	µmol/l	928	789	1067	DPC Immulite
	µg/ml	134	114	154	
	µmol/l	967	725	1209	Hitachi 911/912/917
	µg/ml	140	105	175	
µmol/l	969	824	1114	Roche Integra	
µg/ml	140	119	161		
µmol/l	971	825	1117	DPC Immulite 2000	
µg/ml	140	119	161		
Vitamin B12	pmol/l	1095	771	1419	Abbott AXSYM
	pg/ml	1484	1045	1923	
	pmol/l	1181	1004	1358	Bayer ACS 180
	pg/ml	1600	1360	1840	
	pmol/l	1114	947	1281	Roche Elecsys
	pg/ml	1509	1283	1735	
	pmol/l	973	777	1169	Beckman Access
	pg/ml	1318	1053	1583	
	pmol/l	860	731	989	DPC Immulite
	pg/ml	1165	991	1339	
	pmol/l	1240	1054	1426	Bayer ADVIA Centaur
	pg/ml	1680	1428	1932	
pmol/l	903	731	1075	DPC Immulite 2000	
pg/ml	1224	991	1457		

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Range					
analyte	unit	target	low	high	methods
Vitamin B12	pmol/l	1024	829	1219	Abbott Architect
	pg/ml	1388	1123	1653	
	pmol/l	1055	897	1213	Roche Modular E170
	pg/ml	1430	1215	1645	