

免疫质控品

货号: IA3110
批号: 1910EC

包装: 12x5ml
效期: 2022-05

产品描述

本品适用于临床化学体外诊断的免疫质控,用于监测免疫测定的正确度或重复度。朗道供应三种浓度水平(水平 1: IA3109; 水平 2: IA3110; 水平 3: IA3111)。

安全预防措施和警告

本产品仅用于体外诊断。禁止用口吸。按照实验室常规预防措施对试剂进行处理。

该质控品采用人基质血清,对所有捐献者的血清均进行了 HIV(HIV1、HIV2)抗体、肝炎 B 表面抗原(HbsAg)和肝炎 C 病毒(HCV)抗体的测试,发现均呈阴性。所采用的方法均经 FDA 认证。

然而,既然没有一种方法能够完全保证其没有传染物质,因此该质控品和所有的病人样品均应当按照能够传播疾病的样品小心处理。

保存和稳定性

开瓶后,2~8℃保存。复溶后的血清如果保存在原始容器,并且无污染,可在2~8℃保存7天,并可在-20℃保存4周,只能冻融一次。C肽在2~8℃可稳定1天。甲状旁腺素(PTH)和甲状腺球蛋白(TG)复溶后如果2~8℃保存,要在4小时内检测;若-20℃保存,则须在2周内检测。促肾上腺皮质激素(ACTH)如果2~8℃保存,要在4小时内检测。不提供促肾上腺皮质激素(ACTH)、醛固酮和C-肽的冷冻稳定性说明。每次使用只吸取所需用量,剩余的样品不可返回原瓶。

未开瓶,2~8℃可保存至效期末。

复溶后的血清在受到细菌污染后,会导致许多组分稳定性的下降,应该将该瓶样品抛弃,重新复溶一瓶新的血清。

使用说明

该免疫质控品为冻干粉。

1. 小心打开瓶盖,往瓶中准确加入5ml蒸馏水,在15~25℃的条件下复溶,盖上瓶盖,放置30分钟。轻轻翻转瓶子,确保内容物完全溶解;不要振荡,避免气泡的产生。
2. 参照各个分析仪的质控说明。
3. 冷藏未使用的材料,再次使用前,确保样品充分混合均匀。

赋值

每一批质控血清都要送到参考实验室,这些实验室通过独特的统计分析方法得到一个结果进行赋值。质控范围值是平均值 \pm 2 S.D.,质控结果应该落在这个区间内;然而,朗道赋值系统与客户端检测系统存在的差异不可避免,所以靶值书仅供参考,建议每个实验室建立自己的参考靶值和可接受范围。

该质控品可用于醛固酮项目,但只提供水平2和水平3的靶值。该材料还可用于PTH项目的质控,但不作定值参考范围和稳定性的声明。

雅培 Abbott Architect 的 CA19-9 检验原理为抗原抗体反应,所使用的抗体材料是 1116-NA-19-9,有报道指出 1116-NA-19-9 的浓度很高时,Abbott Architect 系统的检验结果比其它方法的结果可能更高。

注: 详细赋值信息请以原版英文说明书为准,原版说明书请在英国朗道公司官网 www.randox.com 进行下载。

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

范围

分析物	单位	靶值	低值	高值	方法学
17-羟基孕酮	nmol/l	14.1	10.6	17.6	DRG ELISA
	ng/ml	4.67	3.51	5.83	
	nmol/l	13.1	9.83	16.4	DIAsource RIA
	ng/ml	4.34	3.25	5.43	
	nmol/l	12.2	9.15	15.3	DiaMetra ELISA
	ng/ml	4.04	3.03	5.05	
25-OH 维生素D	nmol/l	69.4	52.1	86.8	Diasorin Liaison
	nmol/l	85.3	64.0	107	Siemens Centaur XP/XPT/Classic
	nmol/l	57.6	43.2	72.0	Roche Vitamin D Total
	nmol/l	53.5	40.1	66.9	HPLC
	nmol/l	56.0	42.0	70.0	ELISA
	nmol/l	61.2	45.9	76.5	Abbott Architect
	nmol/l	76.5	57.4	95.6	IDS iSYS
	nmol/l	89.3	67.0	112	Vitros ECi
	nmol/l	62.4	46.8	78.0	Tosoh Series
	nmol/l	69.6	52.2	87.0	BioMerieux Vidas
	nmol/l	56.5	42.4	70.6	Beckman DxI 600/800
	nmol/l	62.3	46.7	77.9	Fujirebio Lumipulse G Series
	nmol/l	62.8	47.1	78.5	Beckman Access 25 OH Vitamin D Total
	nmol/l	78.1	58.6	97.6	Diasorin Liaison XL
	nmol/l	65.2	48.9	81.5	Roche Vitamin D Total II
促肾上腺皮质激素	pmol/l	15.6	11.7	19.5	Siemens Immulite 2000/2500
	pg/ml	70.9	53.2	88.6	
	pmol/l	18.2	13.7	22.8	Roche Cobas E411
	pg/ml	82.7	62.3	103	
	pmol/l	17.8	13.4	22.3	Roche Cobas 6000/8000
	pg/ml	80.9	60.9	101	
	pmol/l	28.5	21.4	35.6	CIS IRMA
	pg/ml	130	97.3	163	
	pmol/l	17.2	12.9	21.5	Roche Elecsys
	pg/ml	78.2	58.6	97.8	
	pmol/l	23.2	17.4	29.0	Diasorin Liaison
	pg/ml	105	79.1	131	
	pmol/l	27.7	20.8	34.6	Diasorin Liaison XL
	pg/ml	126	94.5	158	
醛固酮	pmol/l	485	364	606	Immunotech RIA
	pg/ml	175	131	219	
	pmol/l	387	290	484	IDS iSYS
	pg/ml	140	105	175	
	pmol/l	367	275	459	Diasorin Liaison
	pg/ml	132	99.2	165	
	pmol/l	368	276	460	Diasorin Liaison XL
	pg/ml	133	100	166	

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05-28

分析物	单位	靶值	范围		方法学
			低值	高值	
甲胎蛋白	KIU/l = IU/ml	43.6	34.9	52.3	Abbott Architect
	ng/ml	52.8	42.2	63.4	
	KIU/l = IU/ml	46.1	36.9	55.3	BioMerieux Vidas
	ng/ml	55.8	44.6	67.0	
	KIU/l = IU/ml	50.8	40.1	61.5	Siemens Centaur XP/XPT/Classic
	ng/ml	61.5	48.6	74.4	
	KIU/l = IU/ml	44.8	35.8	53.8	Siemens Immulite 2000/2500
	ng/ml	54.2	43.3	65.1	
	KIU/l = IU/ml	45.2	36.2	54.2	Siemens Immulite 1000
	ng/ml	54.7	43.8	65.6	
	KIU/l = IU/ml	40.9	32.7	49.1	Beckman Dxl800
	ng/ml	49.5	39.6	59.4	
	KIU/l = IU/ml	49.9	39.9	59.9	Roche Elecsys
	ng/ml	60.4	48.3	72.5	
	KIU/l = IU/ml	47.8	38.2	57.4	Diasorin Liaison
	ng/ml	57.8	46.2	69.4	
	KIU/l = IU/ml	43.2	34.6	51.8	Beckman Access
	ng/ml	52.3	41.9	62.7	
	KIU/l = IU/ml	42.2	33.8	50.6	Tosoh Series
	ng/ml	51.1	40.9	61.3	
KIU/l = IU/ml	43.2	34.6	51.8	Vitros Eci	
ng/ml	44.9	35.9	53.9		
KIU/l = IU/ml	49.6	39.7	59.5	Roche Cobas 6000/8000	
ng/ml	60.0	48.0	72.0		
KIU/l = IU/ml	69.7	55.8	83.6	CIS IRMA	
ng/ml	84.3	67.5	101		
KIU/l = IU/ml	49.6	39.7	59.5	Roche Cobas E411	
ng/ml	60.0	48.0	72.0		
KIU/l = IU/ml	47.6	38.1	57.1	Fujirebio Lumipulse G Series	
ng/ml	57.6	46.1	69.1		
KIU/l = IU/ml	49.8	39.3	60.3	Siemens Centaur CP	
ng/ml	60.3	47.6	73.0		
KIU/l = IU/ml	49.7	39.8	59.6	Diasorin Liaison XL	
ng/ml	60.1	48.2	72.0		
丁胺卡那霉素	µmol/l	15.1	12.1	18.1	Roche Cobas 6000/8000
	µg/ml	8.84	7.09	10.6	
	µmol/l	15.2	12.2	18.2	Gravimetric
µg/ml	8.90	7.14	10.7		
雄烯二酮	nmol/l	13.4	10.1	16.8	Siemens Immulite 2000
	ng/ml	3.85	2.90	4.80	
	nmol/l	7.30	5.48	9.13	Diasorin Liaison XL
	ng/ml	2.10	1.57	2.63	
β-2-微球蛋白	µg/ml = mg/l	3.30	2.64	3.96	Abbott Architect
	µg/ml = mg/l	3.54	2.83	4.25	BioMerieux Vidas
	µg/ml = mg/l	3.32	2.66	3.98	Behring Nephelometer

免疫质控品-水平2

货号: IA3110

批号: 1910E

规格: 12 x 5 ml

效期: 2022-05-28

分析物	单位	范围			方法学
		靶值	低值	高值	
β-2-微球蛋白	µg/ml = mg/l	2.90	2.32	3.48	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.62	2.90	4.34	Siemens Immulite 1000
	µg/ml = mg/l	3.09	2.47	3.71	Diasorin Liaison
	µg/ml = mg/l	3.37	2.70	4.04	Roche Cobas 6000/8000
	µg/ml = mg/l	2.88	2.30	3.46	Fujirebio Lumipulse G Series
	µg/ml = mg/l	2.87	2.30	3.44	Diasorin Liaison XL
C-肽	nmol/l	1.840	1.380	2.300	Siemens Immulite 2000/2500
	ng/ml	5.55	4.17	6.93	
	nmol/l	1.990	1.490	2.490	Roche Elecsys
	ng/ml	6.01	4.50	7.52	
	nmol/l	2.020	1.520	2.530	Roche Cobas 6000/8000
	ng/ml	6.10	4.59	7.61	
	nmol/l	1.780	1.340	2.230	Siemens Immulite 1000
	ng/ml	5.37	4.05	6.69	
	nmol/l	2.140	1.610	2.680	Diasorin Liaison
	ng/ml	6.46	4.86	8.06	
	nmol/l	1.980	1.490	2.480	Roche Cobas E411
	ng/ml	5.98	4.50	7.46	
	nmol/l	1.760	1.320	2.200	Abbott Architect
	ng/ml	5.31	3.99	6.63	
	nmol/l	1.390	1.040	1.740	Siemens Centaur XP/XPT/Classic
	ng/ml	4.20	3.15	5.25	
	nmol/l	1.750	1.310	2.190	Tosoh Series
	ng/ml	5.28	3.95	6.61	
nmol/l	2.220	1.670	2.780	Diasorin Liaison XL	
ng/ml	6.70	5.04	8.36		
CA 15-3	U/ml	39.3	31.4	47.2	Abbott Architect
	U/ml	36.6	29.3	43.9	BioMerieux Vidas
	U/ml	40.1	27.3	52.9	Siemens Centaur XP/XPT/Classic
	U/ml	36.8	29.4	44.2	Siemens Immulite 2000/2500
	U/ml	41.2	33.0	49.4	Siemens Immulite 1000
	U/ml	17.0	13.6	20.4	Beckman Dxl800
	U/ml	40.9	32.7	49.1	Roche Elecsys
	U/ml	44.4	35.5	53.3	Diasorin Liaison
	U/ml	17.1	13.7	20.5	Beckman Access
	U/ml	38.1	30.5	45.7	Tosoh Series
	U/ml	35.9	28.7	43.1	Vitros ECi
	U/ml	41.8	33.4	50.2	Roche Cobas 6000/8000
	U/ml	41.8	33.4	50.2	Roche Cobas E411
	U/ml	48.6	38.9	58.3	Fujirebio Lumipulse G Series
	U/ml	39.1	26.6	51.6	Siemens Centaur CP
U/ml	41.1	32.9	49.3	Diasorin Liaison XL	
CA 19-9	U/ml	74.5	59.6	89.4	BioMerieux Vidas
	U/ml	99.8	68.0	132	Siemens Centaur XP/XPT/Classic
	U/ml	69.6	55.7	83.5	Siemens Immulite 2000/2500
	U/ml	64.7	51.8	77.6	Siemens Immulite 1000

免疫质控品-水平2

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分析物	单位	靶值	低值	高值	方法学
CA 19-9	U/ml	65.1	52.1	78.1	Beckman Dxl800
	U/ml	61.2	49.0	73.4	Roche Elecsys
	U/ml	86.4	69.1	104	Diasorin Liaison
	U/ml	73.2	58.6	87.8	Beckman Access
	U/ml	41.4	33.1	49.7	Tosoh Series
	U/ml	113	90.4	136	Vitros ECi
	U/ml	177	142	212	Abbott Architect XR/XR2 kit
	U/ml	63.0	50.4	75.6	Roche Cobas 6000/8000
	U/ml	63.7	51.0	76.4	Roche Cobas E411
	U/ml	102	81.6	122	Fujirebio Lumipulse G Series
	U/ml	96.1	65.3	127	Siemens Centaur CP
	U/ml	56.4	45.1	67.7	Mindray CL-2000i
	U/ml	89.9	71.9	108	Diasorin Liaison XL
CA125	U/ml	133	106	160	Abbott Architect
	U/ml	102	81.6	122	BioMerieux Vidas
	U/ml	114	77.5	151	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	117	79.6	154	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	115	92.0	138	Siemens Immulite 2000/2500
	U/ml	125	100	150	Siemens Immulite 1000
	U/ml	101	80.8	121	Beckman Dxl800
	U/ml	96.1	76.9	115	Roche Elecsys
	U/ml	134	107	161	Diasorin Liaison
	U/ml	101	80.8	121	Beckman Access
	U/ml	167	134	200	Tosoh Series
	U/ml	101	80.8	121	Vitros ECi
	U/ml	100	80.0	120	Roche Cobas E411
	U/ml	97.8	78.2	117	Roche Cobas 6000/8000
	U/ml	96.9	77.5	116	Fujirebio Lumipulse G Series
	U/ml	120	81.6	158	Siemens Centaur CP CA125 II kit
	U/ml	209	167	251	Mindray CL-2000i
U/ml	128	102	154	Diasorin Liaison XL	
立痛定 (卡马西平)	µmol/l	38.4	30.7	46.1	Abbott Architect
	µg/ml	9.08	7.26	10.9	
	µmol/l	39.7	27.8	51.6	Siemens Centaur XP/XPT/Classic
	µg/ml	9.39	6.57	12.2	
	µmol/l	36.8	29.4	44.2	Siemens Dimension
	µg/ml	8.70	6.95	10.5	
	µmol/l	34.0	27.2	40.8	Siemens Immulite 2000/2500
	µg/ml	8.04	6.43	9.65	
	µmol/l	34.6	27.7	41.5	Siemens Immulite 1000
	µg/ml	8.18	6.55	9.81	
	µmol/l	37.9	30.3	45.5	Roche Integra
	µg/ml	8.96	7.16	10.8	
	µmol/l	35.1	28.1	42.1	Vitros
	µg/ml	8.30	6.64	9.96	
µmol/l	37.6	30.1	45.1	Roche Cobas 6000/8000	
µg/ml	8.89	7.12	10.7		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

范围

分析物	单位	靶值	低值	高值	方法学
皮质醇	nmol/l	508	381	635	Vitros ECI
	µg/dl	18.3	13.7	22.9	
	nmol/l	552	414	690	Roche Cobas 6000/8000
	µg/dl	19.9	14.9	24.9	
	nmol/l	583	437	729	Roche Cobas E411
	µg/dl	21.0	15.7	26.3	
	nmol/l	658	454	862	Siemens Centaur CP
	µg/dl	23.7	16.4	31.0	
	nmol/l	582	437	728	Roche Cobas 4000/e411 Gen II
	µg/dl	21.0	15.7	26.3	
去氢表雄酮硫酸盐	nmol/l	549	412	686	Roche Cobas 6000/8000 Gen II
	µg/dl	19.8	14.8	24.8	
	nmol/l	583	437	729	Diasorin Liaison XL
	µg/dl	21.0	15.7	26.3	
	µmol/l	12.5	10.0	15.0	Abbott Architect
	µmol/l	10.7	8.56	12.8	Siemens Immulite 2000/2500
	µmol/l	9.89	7.91	11.9	Siemens Immulite 1000
	µmol/l	10.4	8.32	12.5	Beckman Dxl800
	µmol/l	15.6	12.5	18.7	Roche Elecsys
	µmol/l	10.6	8.48	12.7	Beckman Access
地高辛	µmol/l	9.07	7.26	10.9	Diasorin Liaison
	µmol/l	10.9	7.09	14.7	Siemens Centaur XP/XPT/Classic
	µmol/l	15.1	12.1	18.1	Roche Cobas E411
	µmol/l	15.2	12.2	18.2	Roche Cobas 6000/8000
	µmol/l	10.5	8.40	12.6	Diasorin Liaison XL
	nmol/l	2.92	2.34	3.50	Beckman Access
	ng/ml	2.28	1.83	2.73	
	nmol/l	2.41	1.93	2.89	Abbott Architect
	ng/ml	1.88	1.51	2.25	
	nmol/l	2.70	2.16	3.24	BioMerieux Vidas
	ng/ml	2.11	1.69	2.53	
	nmol/l	3.21	2.47	3.95	Siemens Centaur XP/XPT/Classic
	ng/ml	2.51	1.93	3.09	
	nmol/l	2.87	2.30	3.44	Siemens Dimension
	ng/ml	2.24	1.80	2.68	
	nmol/l	2.88	2.30	3.46	Siemens Immulite 2000/2500
	ng/ml	2.25	1.80	2.70	
	nmol/l	3.44	2.75	4.13	Siemens Immulite 1000
ng/ml	2.69	2.15	3.23		
nmol/l	2.92	2.34	3.50	Beckman Dxl800	
ng/ml	2.28	1.83	2.73		
nmol/l	2.99	2.39	3.59	Roche Integra	
ng/ml	2.34	1.87	2.81		
nmol/l	2.82	2.26	3.38	Vitros	
ng/ml	2.20	1.77	2.63		

免疫质控品-水平 2)

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	范围			方法学
		靶值	低值	高值	
地高辛	nmol/l	2.91	2.33	3.49	Roche Cobas 6000/8000
	ng/ml	2.27	1.82	2.72	
	nmol/l	3.05	2.44	3.66	Beckman AU400/600/640/2700/5400
	ng/ml	2.38	1.91	2.85	
	nmol/l	3.07	2.46	3.68	Roche Cobas 4000/E411
	ng/ml	2.40	1.92	2.88	
乙琥胺	nmol/l	3.07	2.46	3.68	Gravimetric
	ng/ml	2.40	1.92	2.87	
乙琥胺	μmol/l	360	288	432	Gravimetric
	μg/ml	51.0	40.8	61.3	
血清铁蛋白	ng/ml = μg/l	105	84.0	126	Abbott Architect
	ng/ml = μg/l	75.9	60.7	91.1	BioMerieux Vidas
	ng/ml = μg/l	94.2	75.4	113	Roche Tinaquant
	ng/ml = μg/l	88.2	66.2	110	Siemens Centaur XP/XPT/Classic
	ng/ml = μg/l	95.4	76.3	114	Siemens Dimension
	ng/ml = μg/l	88.2	70.6	106	Siemens Immulite 2000/2500
	ng/ml = μg/l	78.5	62.8	94.2	Siemens Immulite 1000
	ng/ml = μg/l	69.5	55.6	83.4	Beckman Dxl800
	ng/ml = μg/l	105	84.0	126	Roche Elecsys
	ng/ml = μg/l	89.6	71.7	108	Diasorin Liaison
	ng/ml = μg/l	104	83.2	125	Roche Modular E170
	ng/ml = μg/l	71.9	57.5	86.3	Beckman Access
	ng/ml = μg/l	67.9	54.3	81.5	Tosoh Series
	ng/ml = μg/l	64.5	51.6	77.4	Vitros Eci
	ng/ml = μg/l	84.2	67.4	101	Immunotech IRMA
	ng/ml = μg/l	106	84.8	127	Roche Cobas E411
	ng/ml = μg/l	85.2	68.2	102	Beckman AU400/600/640/2700/5400
	叶酸	ng/ml = μg/l	58.4	46.7	70.1
ng/ml = μg/l		81.8	61.4	102	Siemens Centaur CP
ng/ml = μg/l		102	81.6	122	Diasorin Liaison XL
nmol/l		12.3	9.35	15.3	Abbott Architect
ng/ml		5.42	4.12	6.72	
nmol/l		25.7	16.7	34.7	Siemens Centaur XP/XPT/Classic (enhanced kit)
ng/ml		11.3	7.35	15.3	
nmol/l		10.3	7.83	12.8	Siemens Immulite 2000
ng/ml		4.54	3.45	5.63	
nmol/l		14.2	10.8	17.6	Beckman Dxl800
ng/ml		6.26	4.76	7.76	
nmol/l		14.3	10.9	17.7	Beckman Access
ng/ml		6.31	4.81	7.81	
nmol/l		19.9	15.1	24.7	Tosoh Series
ng/ml		8.78	6.66	10.9	
nmol/l		9.45	7.18	11.7	Vitros Eci
ng/ml		4.17	3.17	5.17	
nmol/l		11.6	8.82	14.4	MP Biomedicals RIA
ng/ml	5.12	3.89	6.35		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	范围			方法学
		靶值	低值	高值	
叶酸	nmol/l	8.77	6.67	10.9	Siemens Dimension
	ng/ml	3.87	2.94	4.80	
游离 T3	pmol/l	11.2	8.40	14.0	Abbott Architect
	ng/dl	0.728	0.546	0.910	
	pg/ml	7.29	5.47	9.11	
	pmol/l	12.3	9.23	15.4	BioMerieux Vidas
	ng/dl	0.800	0.600	1.00	
	pg/ml	8.01	6.01	10.0	
	pmol/l	12.8	7.68	17.9	Siemens Centaur XP/XPT/Classic
	ng/dl	0.832	0.499	1.17	
	pg/ml	8.33	5.00	11.7	
	pmol/l	9.80	7.35	12.3	Siemens Immulite 2000/2500
	ng/dl	0.637	0.478	0.796	
	pg/ml	6.38	4.78	7.98	
	pmol/l	9.36	7.02	11.7	Siemens Immulite 1000
	ng/dl	0.608	0.456	0.760	
	pg/ml	6.09	4.57	7.61	
	pmol/l	9.26	6.95	11.6	Beckman Dxl800
	ng/dl	0.602	0.452	0.752	
	pg/ml	6.03	4.52	7.54	
	pmol/l	14.5	10.9	18.1	Roche Elecsys
	ng/dl	0.943	0.709	1.18	
	pg/ml	9.44	7.10	11.8	
	pmol/l	16.2	12.2	20.3	Diasorin Liaison
	ng/dl	1.05	0.793	1.31	
	pg/ml	10.5	7.94	13.1	
	pmol/l	10.3	7.73	12.9	Beckman Access
	ng/dl	0.670	0.502	0.838	
	pg/ml	6.71	5.03	8.39	
pmol/l	15.7	11.8	19.6	Tosoh Series	
ng/dl	1.02	0.767	1.27		
pg/ml	10.2	7.68	12.7		
pmol/l	29.9	22.4	37.4	Vitros ECI	
ng/dl	1.94	1.46	2.42		
pg/ml	19.5	14.6	24.4		
pmol/l	14.4	10.8	18.0	Roche Cobas E411	
ng/dl	0.936	0.702	1.17		
pg/ml	9.37	7.03	11.7		
pmol/l	14.7	11.0	18.4	Roche Cobas 6000/8000	
ng/dl	0.956	0.715	1.20		
pg/ml	9.57	7.16	12.0		
pmol/l	12.4	7.44	17.4	Siemens Centaur CP	
ng/dl	0.806	0.484	1.13		
pg/ml	8.07	4.84	11.3		
pmol/l	12.1	9.08	15.1	Mindray CL-2000i	
ng/dl	0.787	0.590	0.984		
pg/ml	7.88	5.91	9.85		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	范围			方法学
		靶值	低值	高值	
游离T3	pmol/l	17.4	13.1	21.8	Diasorin Liaison XL
	ng/dl	1.13	0.852	1.41	
	pg/ml	11.3	8.53	14.1	
游离T4	pmol/l	29.1	21.8	36.4	Abbott Architect
	ng/dl	2.27	1.70	2.84	
	pg/ml	22.7	17.0	28.4	
	pmol/l	29.6	22.2	37.0	Siemens Centaur XP/XPT/Classic
	ng/dl	2.31	1.73	2.89	
	pg/ml	23.1	17.3	28.9	
	pmol/l	43.3	32.5	54.1	CIS RIA Coated tube
	ng/dl	3.38	2.54	4.22	
	pg/ml	33.8	25.4	42.2	
	pmol/l	41.1	30.8	51.4	Siemens Immulite 2000/2500
	ng/dl	3.21	2.40	4.02	
	pg/ml	32.1	24.0	40.2	
	pmol/l	42.9	32.2	53.6	Siemens Immulite 1000
	ng/dl	3.35	2.51	4.19	
	pg/ml	33.5	25.1	41.9	
	pmol/l	32.7	24.5	40.9	Beckman Dxl800
	ng/dl	2.55	1.91	3.19	
	pg/ml	25.5	19.1	31.9	
	pmol/l	39.2	29.4	49.0	Roche Elecsys
	ng/dl	3.06	2.29	3.83	
	pg/ml	30.6	22.9	38.3	
	pmol/l	49.1	36.8	61.4	Diasorin Liaison
	ng/dl	3.83	2.87	4.79	
	pg/ml	38.3	28.7	47.9	
pmol/l	32.5	24.4	40.6	Beckman Access	
ng/dl	2.54	1.90	3.18		
pg/ml	25.4	19.0	31.8		
pmol/l	39.0	29.3	48.8	Tosoh Series	
ng/dl	3.04	2.29	3.79		
pg/ml	30.4	22.9	37.9		
pmol/l	75.8	56.9	94.8	Vitros ECi	
ng/dl	5.91	4.44	7.38		
pg/ml	59.1	44.4	73.8		
pmol/l	38.9	29.2	48.6	Roche Cobas 6000/8000	
ng/dl	3.03	2.28	3.78		
pg/ml	30.3	22.8	37.8		
pmol/l	32.2	24.2	40.3	Immunotech IRMA	
ng/dl	2.51	1.89	3.13		
pg/ml	25.1	18.9	31.3		
pmol/l	39.1	29.3	48.9	Roche Cobas E411	
ng/dl	3.05	2.29	3.81		
pg/ml	30.5	22.9	38.1		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	Range			方法学
		靶值	低值	高值	
游离T4	pmol/l	31.3	23.5	39.1	ELISA
	ng/dl	2.44	1.83	3.05	
	pg/ml	24.4	18.3	30.5	
	pmol/l	44.0	33.0	55.0	Biomerieux Vidas FT4N Kit
	ng/dl	3.43	2.57	4.29	
	pg/ml	34.3	25.7	42.9	
	pmol/l	32.0	24.0	40.0	Siemens Centaur CP
	ng/dl	2.50	1.88	3.12	
	pg/ml	25.0	18.8	31.2	
	pmol/l	32.3	24.2	40.4	Mindray CL-2000i
	ng/dl	2.52	1.89	3.15	
	pg/ml	25.2	18.9	31.5	
pmol/l	53.7	40.3	67.1	Diasorin Liaison XL	
ng/dl	4.19	3.14	5.24		
pg/ml	41.9	31.4	52.4		
卵泡刺激素 (FSH)	mU/ml	25.5	20.4	30.6	Abbott Architect
	mU/ml	32.9	26.3	39.5	BioMerieux Vidas
	mU/ml	34.7	26.0	43.4	Siemens Centaur XP/XPT/Classic
	mU/ml	28.7	23.0	34.4	Siemens Immulite 2000/2500
	mU/ml	29.0	23.2	34.8	Siemens Immulite 1000
	mU/ml	30.5	24.4	36.6	Beckman Dxl800
	mU/ml	29.0	23.2	34.8	Roche/BM Elecsys
	mU/ml	35.1	28.1	42.1	Diasorin Liaison
	mU/ml	30.4	24.3	36.5	Beckman Access
	mU/ml	29.8	23.8	35.8	Tosoh Series
	mU/ml	22.7	18.2	27.2	Vitros ECi
	mU/ml	29.2	23.4	35.0	Roche Cobas E411
	mU/ml	28.0	22.4	33.6	Roche Cobas 6000/8000
	mU/ml	24.5	19.6	29.4	Fujirebio Lumipulse G Series
	mU/ml	29.9	22.4	37.4	Siemens Centaur CP
mU/ml	43.8	35.0	52.6	Diasorin Liaison XL	
庆大霉素	μmol/l	7.72	5.48	9.96	Siemens Centaur XP/XPT/Classic
	μg/ml	3.69	2.62	4.76	
	μmol/l	7.89	6.31	9.47	Siemens Dimension Vista
	μg/ml	3.77	3.02	4.52	
	μmol/l	5.91	4.73	7.09	Roche Cobas 6000/8000
	μg/ml	2.82	2.26	3.38	
μmol/l	8.16	6.53	9.79	Gravimetric	
μg/ml	3.90	3.12	4.68		
生长激素 (GH)	μU/ml	18.8	15.0	22.6	Siemens Immulite 2000/2500
	ng/ml	6.26	5.00	7.52	
	μU/ml	16.5	13.2	19.8	Siemens Immulite 1000
	ng/ml	5.49	4.40	6.58	
	μU/ml	14.8	11.8	17.8	Beckman Dxl800
	ng/ml	4.93	3.93	5.93	
μU/ml	15.8	12.6	19.0	Beckman Access	
ng/ml	5.26	4.20	6.32		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	范围			方法学	
		靶值	低值	高值		
生长激素(GH)	μU/ml	17.1	13.7	20.5	Tosoh Series	
	ng/ml	5.69	4.56	6.82		
	μU/ml	16.6	13.3	19.9	Diasorin Liaison	
	ng/ml	5.53	4.43	6.63		
	μU/ml	16.6	13.3	19.9	Roche Cobas E411	
	ng/ml	5.53	4.43	6.63		
	μU/ml	16.9	13.5	20.3	Roche Cobas 6000/8000	
	ng/ml	5.63	4.50	6.76		
	μU/ml	17.0	13.6	20.4	IDS iSYS	
	ng/ml	5.66	4.53	6.79		
	μU/ml	16.5	13.2	19.8	Diasorin Liaison XL	
	ng/ml	5.49	4.40	6.58		
	免疫球蛋白 E	KIU/I = IU/ml	93.9	75.1	113	Abbott Architect
		KIU/I = IU/ml	89.0	71.2	107	BioMerieux Vidas
KIU/I = IU/ml		108	64.8	151	Siemens Centaur XP/XPT/Classic	
KIU/I = IU/ml		109	87.2	131	Siemens Immulite 2000/2500	
KIU/I = IU/ml		115	92.0	138	Siemens Immulite 1000	
KIU/I = IU/ml		116	92.8	139	Roche Elecsys	
KIU/I = IU/ml		112	89.6	134	Pharmacia Unicap	
KIU/I = IU/ml		104	83.2	125	Tosoh Series	
KIU/I = IU/ml		121	96.8	145	Roche Cobas E411	
KIU/I = IU/ml		119	95.2	143	Roche Cobas 6000/8000	
KIU/I = IU/ml		102	81.6	122	Fujirebio Lumipulse G Series	
KIU/I = IU/ml		96.6	58.0	135	Siemens Centaur CP	
胰岛素	mU/l	5.31	3.98	6.64	Siemens Immulite 2000	
	μU/ml	5.31	3.98	6.64		
	mU/l	19.1	14.3	23.9	Siemens Centaur XP/XPT/Classic	
	μU/ml	19.1	14.3	23.9		
	mU/l	5.40	4.05	6.75	Siemens Immulite 1000	
	μU/ml	5.40	4.05	6.75		
	mU/l	20.6	15.5	25.8	Roche Elecsys	
	μU/ml	20.6	15.5	25.7		
	mU/l	15.0	11.3	18.8	Beckman Access	
	μU/ml	15.0	11.3	18.7		
	mU/l	16.8	12.6	21.0	Abbott Architect	
	μU/ml	16.8	12.6	21.0		
	mU/l	19.4	14.6	24.3	Tosoh Series	
	μU/ml	19.4	14.6	24.2		
	mU/l	20.2	15.2	25.3	Roche Cobas E411	
	μU/ml	20.2	15.2	25.2		
	mU/l	14.7	11.0	18.4	Beckman Dxl 600/800	
	μU/ml	14.7	11.0	18.4		
	mU/l	25.9	19.4	32.4	Diasorin Liaison	
	μU/ml	25.9	19.4	32.4		
mU/l	20.3	15.2	25.4	Roche Cobas 6000/8000		
μU/ml	20.3	15.2	25.4			

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	范围			方法学
		靶值	低值	高值	
胰岛素	mU/l	22.0	16.5	27.5	Fujirebio Lumipulse G Series
	μU/ml	22.0	16.5	27.5	
	mU/l	19.2	14.4	24.0	Siemens Centaur CP
	μU/ml	19.2	14.4	24.0	
	mU/l	26.1	19.6	32.6	Diasorin Liaison XL
	μU/ml	26.1	19.6	32.6	
促黄体生成素(LH)	mU/ml	29.0	23.2	34.8	Abbott Architect
	mU/ml	33.4	26.7	40.1	BioMerieux Vidas
	mU/ml	35.2	27.1	43.3	Siemens Centaur XP/XPT/Classic
	mU/ml	50.9	40.7	61.1	Siemens Immulite 2000
	mU/ml	53.1	42.5	63.7	Siemens Immulite 1000
	mU/ml	27.3	21.8	32.8	Beckman Dxl800
	mU/ml	37.5	30.0	45.0	Roche Elecsys
	mU/ml	44.6	35.7	53.5	Diasorin Liaison
	mU/ml	28.3	22.6	34.0	Beckman Access
	mU/ml	32.2	25.8	38.6	Tosoh Series
	mU/ml	47.8	38.2	57.4	Vitros ECi
	mU/ml	38.0	30.4	45.6	Roche Cobas E411
	mU/ml	38.2	30.6	45.8	Roche Cobas 6000/8000
	mU/ml	32.6	26.1	39.1	Fujirebio Lumipulse G Series
		mU/ml	35.9	27.6	44.2
	mU/ml	41.3	33.0	49.6	Mindray CL-2000i
	mU/ml	46.4	37.1	55.7	Diasorin Liaison XL
雌二醇	pmol/l	703	562	844	Abbott Architect
	pg/ml	191	153	229	
	pmol/l	1223	978	1468	BioMerieux Vidas
	pg/ml	333	266	400	
	pmol/l	960	576	1344	Siemens Centaur XP/XPT/Classic
	pg/ml	261	157	365	
	pmol/l	1093	874	1312	Siemens Immulite 2000/2500
	pg/ml	297	238	356	
	pmol/l	1045	836	1254	Siemens Immulite 1000
	pg/ml	284	227	341	
	pmol/l	960	768	1152	Beckman Dxl800
	pg/ml	261	209	313	
	pmol/l	738	590	886	Roche Elecsys (Estradiol II)
	pg/ml	201	160	242	
	pmol/l	1036	829	1243	Beckman Access
pg/ml	282	225	339		
pmol/l	798	638	958	Tosoh (E2)	
pg/ml	217	174	260		
pmol/l	1022	818	1226	Vitros ECi	
pg/ml	278	222	334		
pmol/l	753	602	904	Roche Cobas 6000/8000 (Estradiol II)	
pg/ml	205	164	246		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

范围

分析物	单位	靶值	低值	高值	方法学
雌二醇	pmol/l	748	598	898	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	203	163	243	
	pmol/l	964	578	1350	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	262	157	367	
	pmol/l	736	589	883	Tosoh (iE2-hsE2)
	pg/ml	200	160	240	
	pmol/l	1070	642	1498	Siemens Centaur CP
	pg/ml	291	175	407	
	pmol/l	964	578	1350	Siemens Centaur CP Enhanced (eE2)
	pg/ml	262	157	367	
	pmol/l	939	751	1127	Fujirebio Lumipulse G Series
	pg/ml	255	204	306	
	pmol/l	755	604	906	Roche Cobas 6000/8000 (Estradiol III)
	pg/ml	205	164	246	
	pmol/l	728	582	874	Roche Elecsys (Estradiol III)
	pg/ml	198	158	238	
pmol/l	747	598	896	Roche Cobas 4000/E411 (Estradiol III)	
pg/ml	203	163	243		
pmol/l	627	502	752	Diasorin Liaison XL	
pg/ml	171	137	205		
扑热息痛	mmol/l	0.274	0.219	0.329	Roche Integra
	mg/l	41.5	33.1	49.9	
	mmol/l	0.327	0.262	0.392	Abbott Architect
	mg/l	49.5	39.6	59.4	
	mmol/l	0.323	0.258	0.388	Roche Cobas 6000/8000
	mg/l	48.9	39.0	58.8	
	mmol/l	0.348	0.280	0.420	Gravimetric
	mg/l	52.7	42.4	63.5	
苯巴比妥	μmol/l	82.1	65.7	98.5	Abbott Architect
	μg/ml	19.0	15.2	22.8	
	μmol/l	77.2	61.8	92.6	Roche Cobas 6000/8000
	μg/ml	17.9	14.3	21.5	
	μmol/l	79.9	63.9	95.9	Siemens Immulite 2000/2500
	μg/ml	18.5	14.8	22.2	
	μmol/l	77.9	62.3	93.5	Beckman AU400/600/640/2700/5400
	μg/ml	18.1	14.5	21.7	
	μmol/l	105	75.6	134	Siemens Centaur XP/XPT/Classic
	μg/ml	24.4	17.6	31.2	
	μmol/l	79.1	63.3	94.9	Roche Integra
	μg/ml	18.4	14.7	22.1	
	μmol/l	76.3	61.0	91.6	Siemens Immulite 1000
	μg/ml	17.7	14.2	21.2	
	μmol/l	77.7	62.2	93.2	Beckman DxC
	μg/ml	18.0	14.4	21.6	
μmol/l	77.6	62.1	93.1	Gravimetric	
μg/ml	18.0	14.4	21.6		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

效期: 2022-05

分析物	单位	范围			方法学
		靶值	低值	高值	
苯妥英钠	μmol/l	67.3	53.8	80.8	Abbott Architect
	μg/ml	17.0	13.6	20.4	
	μmol/l	86.2	67.2	105	Siemens Centaur XP/XPT/Classic
	μg/ml	21.8	17.0	26.6	
	μmol/l	75.2	60.2	90.2	Siemens Dimension
	μg/ml	19.0	15.2	22.8	
	μmol/l	64.9	51.9	77.9	Siemens Immulite 2000/2500
	μg/ml	16.4	13.1	19.7	
	μmol/l	67.6	54.1	81.1	Siemens Immulite 1000
	μg/ml	17.1	13.7	20.5	
	μmol/l	64.3	51.4	77.2	Roche Integra
	μg/ml	16.2	13.0	19.4	
	μmol/l	72.6	58.1	87.1	Vitros
	μg/ml	18.3	14.7	21.9	
	μmol/l	67.1	53.7	80.5	Roche Cobas E411
	μg/ml	16.9	13.6	20.2	
	μmol/l	68.0	54.4	81.6	Roche Cobas 6000/8000
	μg/ml	17.2	13.7	20.7	
扑米酮	μmol/l	68.1	54.5	81.7	Beckman DxC
	μg/ml	17.2	13.8	20.6	
扑米酮	μmol/l	71.3	57.0	85.6	Gravimetric
	μg/ml	18.0	14.4	21.6	
扑米酮	μmol/l	22.5	18.0	27.0	Gravimetric
	μg/ml	4.91	3.93	5.89	
孕酮	nmol/l	28.2	22.6	33.8	Abbott Architect
	ng/ml	8.83	7.07	10.6	
	nmol/l	44.9	35.9	53.9	BioMerieux Vidas
	ng/ml	14.1	11.2	17.0	
	nmol/l	25.2	17.6	32.8	Siemens Centaur XP/XPT/Classic
	ng/ml	7.89	5.52	10.3	
	nmol/l	25.6	20.5	30.7	Siemens Immulite 2000/2500
	ng/ml	8.01	6.42	9.60	
	nmol/l	31.1	24.9	37.3	Siemens Immulite 1000
	ng/ml	9.73	7.79	11.7	
	nmol/l	35.1	28.1	42.1	Beckman Dxl Prog Cal 33555
	ng/ml	11.0	8.80	13.2	
	nmol/l	35.3	28.2	42.4	Roche Elecsys (Prog. II)
	ng/ml	11.0	8.83	13.2	
	nmol/l	36.3	29.0	43.6	Beckman Access Prog Cal 33555
	ng/ml	11.4	9.08	13.7	
	nmol/l	41.0	32.8	49.2	Tosoh Series
	ng/ml	12.8	10.3	15.3	
	nmol/l	36.0	28.8	43.2	Vitros ECI
	ng/ml	11.3	9.01	13.6	
nmol/l	35.5	28.4	42.6	Roche Cobas 4000/e411 (Prog. II)	
ng/ml	11.1	8.89	13.3		

免疫质控品-水平2

货号: IA3110

批号: 1910EC

规格: 12 x 5 ml

货号: 2022-05

范围

分析物	单位	靶值	低值	高值	方法学	
孕酮	nmol/l	36.3	29.0	43.6	Roche Cobas 6000/8000 (Prog. II)	
	ng/ml	11.4	9.08	13.7		
	nmol/l	30.9	24.7	37.1	Diasorin Liaison	
	ng/ml	9.67	7.73	11.6		
	nmol/l	33.4	26.7	40.1	Beckman Dxl Prog DE Cal A80773	
	ng/ml	10.5	8.36	12.6		
	nmol/l	27.0	18.9	35.1	Siemens Centaur CP	
	ng/ml	8.45	5.92	11.0		
	nmol/l	37.7	30.2	45.2	Fujirebio Lumipulse G Series	
	ng/ml	11.8	9.45	14.2		
	nmol/l	36.5	29.2	43.8	Roche Cobas 6000/8000 (Prog. III)	
	ng/ml	11.4	9.14	13.7		
	nmol/l	35.1	28.1	42.1	Roche Elecsys (Prog. III)	
	ng/ml	11.0	8.80	13.2		
催乳素	nmol/l	35.9	28.7	43.1	Roche Cobas 4000/e411 (Prog. III)	
	ng/ml	11.2	8.98	13.4		
	nmol/l	32.1	25.7	38.5	Diasorin Liaison XL	
	ng/ml	10.0	8.04	12.0		
	催乳素	μU/ml	739	591	887	Abbott Architect
		μU/ml	879	703	1055	BioMerieux Vidas
		μU/ml	635	495	775	Siemens Centaur XP/XPT/Classic
		μU/ml	630	504	756	Siemens Immulite 2000/2500
		μU/ml	679	543	815	Siemens Immulite 1000
		μU/ml	605	484	726	Beckman Dxl800
		μU/ml	712	570	854	Roche Elecsys
		μU/ml	790	632	948	Diasorin Liaison
		μU/ml	623	498	748	Beckman Access
		μU/ml	691	553	829	Tosoh Series
		μU/ml	639	511	767	Vitros ECi
		μU/ml	707	566	848	Roche Elecsys/E170/Cobas 6000/8000 PRLII
		μU/ml	743	594	892	Immunotech IRMA
		μU/ml	726	581	871	Roche Cobas E411
		μU/ml	704	563	845	Roche Cobas 6000/8000
		μU/ml	894	715	1073	Fujirebio Lumipulse G Series
μU/ml		649	506	792	Siemens Centaur CP	
μU/ml		769	615	923	Mindray CL-2000i	
μU/ml		833	666	1000	Diasorin Liaison XL	
PSA Free		ng/ml = μg/l	11.3	8.48	14.1	Abbott Architect
	ng/ml = μg/l	8.44	6.33	10.6	Siemens Centaur XP/XPT/Classic	
	ng/ml = μg/l	8.70	6.53	10.9	Siemens Immulite 2000/2500	
	ng/ml = μg/l	7.88	5.91	9.85	Siemens Immulite 1000	
	ng/ml = μg/l	10.4	7.80	13.0	Beckman DXI standardised to Hybritech	
	ng/ml = μg/l	7.14	5.36	8.93	Roche Elecsys	
	ng/ml = μg/l	5.96	4.47	7.45	Diasorin Liaison	
	ng/ml = μg/l	10.8	8.10	13.5	Beckman Access standardised to Hybritech	
ng/ml = μg/l	6.42	4.82	8.03	Tosoh Series		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
PSA Free	ng/ml = µg/l	7.25	5.44	9.06	Roche Cobas E411
	ng/ml = µg/l	7.24	5.43	9.05	Roche Cobas 6000/8000
	ng/ml = µg/l	8.58	6.44	10.7	Siemens Dimension Vista
	ng/ml = µg/l	9.27	6.95	11.6	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	4.15	3.11	5.19	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	7.73	5.80	9.66	Fujirebio Lumipulse G Series
	ng/ml = µg/l	5.92	4.44	7.40	Diasorin Liaison XL
PSA Total	ng/ml = µg/l	5.54	4.16	6.93	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	10.9	8.18	13.6	Abbott Architect
	ng/ml = µg/l	12.2	9.15	15.3	BioMerieux Vidas
	ng/ml = µg/l	12.0	9.00	15.0	bioMerieux VIDAS TPSA
	ng/ml = µg/l	12.1	9.08	15.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	5.68	4.26	7.10	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	5.72	4.29	7.15	Siemens Immulite 1000 3rd generation
	ng/ml = µg/l	6.42	4.82	8.03	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	15.9	11.9	19.9	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	13.6	10.2	17.0	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	14.7	11.0	18.4	Roche Elecsys
	ng/ml = µg/l	7.62	5.72	9.53	Diasorin Liaison
	ng/ml = µg/l	15.7	11.8	19.6	Beckman Access standardised to Hybritech
	ng/ml = µg/l	15.9	11.9	19.9	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	9.49	7.12	11.9	Tosoh Series
	ng/ml = µg/l	14.7	11.0	18.4	Vitros ECi
	ng/ml = µg/l	15.0	11.3	18.8	CIS RIA Coated tube
	ng/ml = µg/l	14.8	11.1	18.5	Roche Cobas E411
	ng/ml = µg/l	14.8	11.1	18.5	Roche Cobas 6000/8000
	ng/ml = µg/l	10.3	7.73	12.9	Fujirebio Lumipulse G Series
ng/ml = µg/l	14.7	11.0	18.4	Ortho Vitros 3600/5600/ECi PSA II	
ng/ml = µg/l	12.0	9.00	15.0	Siemens Centaur CP	
ng/ml = µg/l	7.36	5.52	9.20	Diasorin Liaison XL	
Salicylic Acid	mmol/l	1.18	0.944	1.42	Abbott Architect
	mg/dl	16.3	13.0	19.6	
	mmol/l	1.22	0.980	1.46	Gravimetric
	mg/dl	16.9	13.5	20.2	
SHBG	nmol/l	43.2	34.6	51.8	Siemens Immulite 2000/2500
	nmol/l	47.9	38.3	57.5	Roche Elecsys
	nmol/l	42.8	34.2	51.4	Abbott Architect
	nmol/l	51.0	40.8	61.2	Roche Cobas E411
	nmol/l	48.8	39.0	58.6	Roche Cobas 6000/8000
	nmol/l	42.8	34.2	51.4	Beckman Dxl800
T Uptake	%U	34.8	28.5	41.1	Siemens Immulite 2000
Testosterone	nmol/l	12.8	10.2	15.4	Abbott Architect
	ng/ml	3.69	2.94	4.44	
	ng/dl	369	294	444	
	nmol/l	9.70	7.76	11.6	BioMerieux Vidas
	ng/ml	2.79	2.23	3.35	
	ng/dl	279	223	335	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Testosterone	nmol/l	13.0	9.10	16.9	Siemens Centaur XP/XPT/Classic
	ng/ml	3.74	2.62	4.86	
	ng/dl	374	262	486	
	nmol/l	15.4	12.3	18.5	Siemens Immulite 2000/2500
	ng/ml	4.44	3.54	5.34	
	ng/dl	444	354	534	
	nmol/l	16.5	13.2	19.8	Siemens Immulite 1000
	ng/ml	4.75	3.80	5.70	
	ng/dl	475	380	570	
	nmol/l	11.3	9.04	13.6	Beckman Dxl800
	ng/ml	3.25	2.60	3.90	
	ng/dl	325	260	390	
	nmol/l	12.6	10.1	15.1	Beckman Access
	ng/ml	3.63	2.91	4.35	
	ng/dl	363	291	435	
	nmol/l	16.5	13.2	19.8	Tosoh Series
	ng/ml	4.75	3.80	5.70	
	ng/dl	475	380	570	
	nmol/l	16.5	13.2	19.8	Vitros Eci
	ng/ml	4.75	3.80	5.70	
	ng/dl	475	380	570	
	nmol/l	13.9	11.1	16.7	Roche Cobas 6000 Test 2
	ng/ml	4.00	3.20	4.80	
	ng/dl	400	320	480	
nmol/l	13.6	10.9	16.3	Roche Elecsys Test II	
ng/ml	3.92	3.14	4.70		
ng/dl	392	314	470		
nmol/l	13.6	10.9	16.3	Roche Cobas 4000/e411 Test II	
ng/ml	3.92	3.14	4.70		
ng/dl	392	314	470		
nmol/l	12.8	10.2	15.4	Abbott Architect 2nd Generation	
ng/ml	3.69	2.94	4.44		
ng/dl	369	294	444		
nmol/l	11.7	8.19	15.2	Siemens Centaur CP	
ng/ml	3.37	2.36	4.38		
ng/dl	337	236	438		
nmol/l	9.77	7.82	11.7	BioMerieux Vidas Testosterone II	
ng/ml	2.81	2.25	3.37		
ng/dl	281	225	337		
nmol/l	17.6	14.1	21.1	Mindray CL-2000i	
ng/ml	5.07	4.06	6.08		
ng/dl	507	406	608		
nmol/l	13.2	10.6	15.8	Siemens Centaur TST II	
ng/ml	3.80	3.05	4.55		
ng/dl	380	305	455		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Testosterone	nmol/l	5.82	4.66	6.98	Diasorin Liaison XL
	ng/ml	1.68	1.34	2.02	
	ng/dl	168	134	202	
Theophylline	µmol/l	85.8	68.6	103	Siemens Centaur XP/XPT/Classic
	µg/ml	15.5	12.4	18.6	
	µmol/l	84.8	67.8	102	Roche Integra
	µg/ml	15.3	12.2	18.4	
	µmol/l	74.9	59.9	89.9	Abbott Architect
	µg/ml	13.5	10.8	16.2	
	µmol/l	78.8	63.0	94.6	Roche Cobas 6000/8000
	µg/ml	14.2	11.4	17.0	
	µmol/l	80.5	64.4	96.6	Beckman DxC
	µg/ml	14.5	11.6	17.4	
	µmol/l	76.9	61.5	92.3	Beckman AU400/600/640/2700/5400
	µg/ml	13.9	11.1	16.7	
Thyroglobulin	µmol/l	83.8	67.0	101	Gravimetric
	µg/ml	15.1	12.1	18.2	
	ng/ml	15.5	11.6	19.4	Siemens Immulite 1000
	ng/ml	16.1	12.1	20.1	Siemens Immulite 2000
	ng/ml	34.0	25.5	42.5	Roche Elecsys
	ng/ml	32.9	24.7	41.1	Beckman Dxl800
	ng/ml	36.3	27.2	45.4	Roche Cobas E411
	ng/ml	36.1	27.1	45.1	Roche Cobas 6000/8000
	ng/ml	32.6	24.5	40.8	Beckman Access
	ng/ml	44.7	33.5	55.9	Abbott Architect 2000i
	ng/ml	33.7	25.3	42.1	Tosoh Series
	ng/ml	36.2	27.2	45.3	Roche Cobas 6000 TGII
ng/ml	37.3	28.0	46.6	Roche Elecsys TGII	
ng/ml	35.8	26.9	44.8	Roche Cobas 4000/E411 TGII	
ng/ml	13.8	10.4	17.3	Diasorin Liaison XL	
Thyroid Stimulating Hormone	µU/ml = mIU/l	1.88	1.50	2.26	Abbott Architect
	µU/ml = mIU/l	2.23	1.78	2.68	bioMerieux VIDAS TSH
	µU/ml = mIU/l	2.15	1.72	2.58	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	2.31	1.57	3.05	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	2.89	2.31	3.47	CIS IRMA
	µU/ml = mIU/l	2.22	1.51	2.93	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	2.27	1.82	2.72	Siemens Immulite 2000/2500
	µU/ml = mIU/l	2.16	1.73	2.59	Siemens Immulite 1000
	µU/ml = mIU/l	2.04	1.63	2.45	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	2.05	1.64	2.46	Beckman Dxl800
	µU/ml = mIU/l	2.39	1.91	2.87	Roche Elecsys
	µU/ml = mIU/l	2.69	2.15	3.23	Diasorin Liaison
	µU/ml = mIU/l	2.01	1.61	2.41	Beckman Access Fast TSH
	µU/ml = mIU/l	2.09	1.67	2.51	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	2.35	1.88	2.82	Tosoh Series
µU/ml = mIU/l	2.55	2.04	3.06	Vitros ECI	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Thyroid Stimulating Hormone	µU/ml = mIU/l	2.36	1.89	2.83	Roche Cobas E411
	µU/ml = mIU/l	2.40	1.92	2.88	Roche Cobas 6000/8000
	µU/ml = mIU/l	2.03	1.62	2.44	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	2.07	1.66	2.48	Siemens Dimension Vista LOCI
	µU/ml = mIU/l	2.21	1.50	2.92	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	2.28	1.55	3.01	Siemens Centaur CP
	µU/ml = mIU/l	2.14	1.46	2.82	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	2.38	1.90	2.86	Mindray CL-2000i
	µU/ml = mIU/l	2.03	1.62	2.44	Beckman Dxl 600/800 Access (3rd IS)
Tobramycin	µmol/l	7.16	5.73	8.59	Gravimetric
	µg/ml	3.35	2.68	4.02	
Total Beta hCG	mU/ml=IU/l	9.21	7.37	11.1	Abbott Architect
	IU/ml	0.009	0.007	0.011	
	mU/ml=IU/l	41.7	33.4	50.0	BioMerieux Vidas
	IU/ml	0.042	0.033	0.051	
	mU/ml=IU/l	10.6	6.36	14.8	Siemens Centaur XP/XPT/Classic
	IU/ml	0.011	0.007	0.015	
	mU/ml=IU/l	55.6	44.5	66.7	Siemens Dimension
	IU/ml	0.056	0.045	0.067	
	mU/ml=IU/l	80.3	64.2	96.4	Siemens Immulite 2000
	IU/ml	0.080	0.064	0.096	
	mU/ml=IU/l	72.0	57.6	86.4	Siemens Immulite 1000
	IU/ml	0.072	0.058	0.086	
	mU/ml=IU/l	11.0	8.80	13.2	Beckman Dxl800
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	8.70	6.96	10.4	Diasorin Liaison
	IU/ml	0.009	0.007	0.011	
	mU/ml=IU/l	21.4	17.1	25.7	Roche Cobas Core EIA
	IU/ml	0.021	0.017	0.025	
	mU/ml=IU/l	10.7	8.56	12.8	Beckman Access
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	47.6	38.1	57.1	Tosoh Series
	IU/ml	0.048	0.038	0.058	
	mU/ml=IU/l	51.9	41.5	62.3	Vitros ECI
	IU/ml	0.052	0.042	0.062	
mU/ml=IU/l	18.2	14.6	21.8	Roche STAT (Intact)	
IU/ml	0.018	0.015	0.021		
mU/ml=IU/l	22.4	17.9	26.9	Roche hCG+Beta	
IU/ml	0.022	0.018	0.026		
mU/ml=IU/l	8.27	6.62	9.92	Fujirebio Lumipulse G Series	
IU/ml	0.008	0.007	0.009		
mU/ml=IU/l	10.7	8.56	12.8	Beckman Access Total BhCG (5th IS)	
IU/ml	0.011	0.009	0.013		
mU/ml=IU/l	11.0	8.80	13.2	Beckman Dxl Total BhCG (5th IS)	
IU/ml	0.011	0.009	0.013		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Total Beta hCG	mU/ml=IU/l	10.9	6.54	15.3	Siemens Centaur CP
	IU/ml	0.011	0.007	0.015	
Total T3	nmol/l	3.09	2.32	3.86	Abbott Architect
	ng/ml	2.01	1.51	2.51	
	ng/dl	201	151	251	
	nmol/l	3.59	2.69	4.49	BioMerieux Vidas
	ng/ml	2.34	1.75	2.93	
	ng/dl	234	175	293	
	nmol/l	3.94	2.96	4.92	Siemens Centaur XP/XPT/Classic
	ng/ml	2.56	1.92	3.20	
	ng/dl	256	192	320	
	nmol/l	3.38	2.54	4.23	Siemens Immulite 2000/2500
	ng/ml	2.20	1.65	2.75	
	ng/dl	220	165	275	
	nmol/l	3.34	2.51	4.18	Siemens Immulite 1000
	ng/ml	2.17	1.63	2.71	
	ng/dl	217	163	271	
	nmol/l	3.27	2.45	4.09	Beckman Dxl800
	ng/ml	2.13	1.59	2.67	
	ng/dl	213	159	267	
	nmol/l	3.80	2.85	4.75	Roche Elecsys
	ng/ml	2.47	1.86	3.08	
	ng/dl	247	186	308	
	nmol/l	3.08	2.31	3.85	Diasorin Liaison
	ng/ml	2.01	1.50	2.52	
	ng/dl	201	150	252	
	nmol/l	3.34	2.51	4.18	Beckman Access
	ng/ml	2.17	1.63	2.71	
	ng/dl	217	163	271	
	nmol/l	3.56	2.67	4.45	Tosoh Series
ng/ml	2.32	1.74	2.90		
ng/dl	232	174	290		
nmol/l	3.99	2.99	4.99	Vitros ECI	
ng/ml	2.60	1.95	3.25		
ng/dl	260	195	325		
nmol/l	2.62	1.97	3.28	CIS RIA Coated tube	
ng/ml	1.71	1.28	2.14		
ng/dl	171	128	214		
nmol/l	3.94	2.96	4.93	Roche Cobas E411	
ng/ml	2.56	1.93	3.19		
ng/dl	256	193	319		
nmol/l	3.79	2.84	4.74	Roche Cobas 6000/8000	
ng/ml	2.47	1.85	3.09		
ng/dl	247	185	309		
nmol/l	3.55	2.66	4.44	ELISA	
ng/ml	2.31	1.73	2.89		
ng/dl	231	173	289		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Total T3	nmol/l	4.13	3.10	5.16	Siemens Centaur CP
	ng/ml	2.69	2.02	3.36	
	ng/dl	269	202	336	
	nmol/l	2.70	2.03	3.38	Diasorin Liaison XL
	ng/ml	1.76	1.32	2.20	
	ng/dl	176	132	220	
Total T4	nmol/l	138	104	173	Abbott Architect
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	153	115	191	BioMerieux Vidas
	µg/dl	11.9	8.97	14.8	
	ng/ml	119	89.7	148	
	nmol/l	143	93.0	193	Siemens Centaur XP/XPT/Classic
	µg/dl	11.2	7.28	15.1	
	ng/ml	112	72.8	151	
	nmol/l	142	107	178	Siemens Immulite 2000/2500
	µg/dl	11.1	8.35	13.9	
	ng/ml	111	83.5	139	
	nmol/l	151	113	189	Siemens Immulite 1000
	µg/dl	11.8	8.81	14.8	
	ng/ml	118	88.1	148	
	nmol/l	141	106	176	Beckman Dxl800
	µg/dl	11.0	8.27	13.7	
	ng/ml	110	82.7	137	
	nmol/l	135	101	169	Roche Elecsys
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	110	82.5	138	Diasorin Liaison
	µg/dl	8.58	6.44	10.7	
	ng/ml	85.8	64.4	107	
nmol/l	144	108	180	Beckman Access	
µg/dl	11.2	8.42	14.0		
ng/ml	112	84.2	140		
nmol/l	130	97.5	163	Tosoh Series	
µg/dl	10.1	7.61	12.6		
ng/ml	101	76.1	126		
nmol/l	145	109	181	Vitros ECi	
µg/dl	11.3	8.50	14.1		
ng/ml	113	85.0	141		
nmol/l	141	106	176	CIS RIA Coated tube	
µg/dl	11.0	8.27	13.7		
ng/ml	110	82.7	137		
nmol/l	135	101	169	Roche Cobas E411	
µg/dl	10.5	7.88	13.1		
ng/ml	105	78.8	131		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Total T4	nmol/l	134	101	168	Roche Cobas 6000/8000
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	109	81.8	136	Immunotech IRMA
	µg/dl	8.50	6.38	10.6	
	ng/ml	85.0	63.8	106	
	nmol/l	121	90.8	151	ELISA
	µg/dl	9.44	7.08	11.8	
	ng/ml	94.4	70.8	118	
	nmol/l	159	103	215	Siemens Centaur CP
	µg/dl	12.4	8.06	16.7	
	ng/ml	124	80.6	167	
Valproic Acid	nmol/l	116	87.0	145	Diasorin Liaison XL
	µg/dl	9.05	6.79	11.3	
	ng/ml	90.5	67.9	113	
	µmol/l	519	415	623	Abbott Architect
	µg/ml	74.9	59.9	89.9	
	µmol/l	568	454	682	Siemens Centaur XP/XPT/Classic
	µg/ml	82.0	65.6	98.4	
	µmol/l	539	431	647	Siemens Dimension
	µg/ml	77.8	62.2	93.4	
	µmol/l	541	433	649	Siemens Immulite 2000/2500
	µg/ml	78.1	62.5	93.7	
	µmol/l	563	450	676	Siemens Immulite 1000
	µg/ml	81.2	64.9	97.5	
	µmol/l	537	430	644	Roche Integra
	µg/ml	77.5	62.0	93.0	
	µmol/l	599	479	719	Vitros
	µg/ml	86.4	69.1	104	
	Vancomycin	µmol/l	543	434	652
µg/ml		78.4	62.6	94.2	
µmol/l		501	401	601	Beckman DxC
µg/ml		72.3	57.9	86.7	
µmol/l		557	446	668	Beckman AU400/600/640/2700/5400
µg/ml		80.4	64.4	96.4	
µmol/l		564	451	677	Siemens ADVIA 1200/1650/1800/2400
µg/ml		81.4	65.1	97.7	
µmol/l		638	510	766	Gravimetric
µg/ml		92.1	73.6	111	
µmol/l		7.55	6.04	9.06	Roche Integra
µg/ml		11.2	8.97	13.4	
µmol/l	5.59	4.47	6.71	Ortho Vitros Microslide Systems	
µg/ml	8.31	6.64	9.98		
µmol/l	7.02	5.62	8.42	Abbott Architect	
µg/ml	10.4	8.35	12.5		
µmol/l	5.94	4.63	7.25	Siemens Centaur XP/XPT/Classic	
µg/ml	8.83	6.89	10.8		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot No. 1910EC Size: 12 x 5 ml / 4 x 5 ml Expiry: 2022-05-28

Analyte	unit	Target	Range		methods
			low	high	
Vancomycin	µmol/l	6.60	5.28	7.92	Siemens Dimension
	µg/ml	9.81	7.84	11.8	
	µmol/l	6.77	5.42	8.12	Roche Cobas 6000/8000
	µg/ml	10.1	8.05	12.2	
	µmol/l	6.97	5.58	8.36	Beckman DxC
	µg/ml	10.4	8.29	12.5	
	µmol/l	6.34	5.07	7.61	Thermo Scientific QMS Vancomycin
	µg/ml	9.42	7.53	11.3	
µmol/l	7.10	5.68	8.52	Gravimetric	
µg/ml	10.5	8.44	12.7		
Vitamin B12	pmol/l	433	346	520	Abbott Architect
	pg/ml	587	469	705	
	pmol/l	493	370	616	Siemens Centaur XP/XPT/Classic
	pg/ml	668	501	835	
	pmol/l	395	316	474	Siemens Immulite 2000
	pg/ml	535	428	642	
	pmol/l	218	174	262	Siemens Immulite 1000
	pg/ml	295	236	354	
	pmol/l	375	300	450	Beckman DxI800
	pg/ml	508	407	609	
	pmol/l	480	384	576	Roche Elecsys
	pg/ml	650	520	780	
	pmol/l	401	321	481	Beckman Access
	pg/ml	543	435	651	
	pmol/l	540	432	648	Tosoh Series
	pg/ml	732	585	879	
	pmol/l	454	363	545	Vitros ECi
	pg/ml	615	492	738	
pmol/l	497	398	596	MP Biomedicals RIA	
pg/ml	673	539	807		
pmol/l	436	349	523	Siemens Dimension	
pg/ml	591	473	709		
pmol/l	504	378	630	Siemens Centaur CP	
pg/ml	683	512	854		