

免疫质控品水平2

货号: IA3110 **GTIN:** 05055273207262 规格: 12 x 5 ml
 货号: IA3112 **GTIN:** 05055273207286 规格: 4 x 5 ml
 批号: 1812EC 效期: 2021-05-28

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。

- 小心打开瓶盖，往瓶中准确加入5 ml 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。
- 参照各个分析仪的质控说明。
- 冷藏未使用的材料，再次使用前，确保样品充分混合均匀。

规格

免疫质控品水平2: 12 x 5 ml 水平3: 4 x 5 ml

所需但未提供材料

移液管

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±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。

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IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Analyte	unit	Target	Range		methods	
			low	high		
17-OH-Progesterone 17-羟基孕酮	nmol/l	9.97	7.48	12.5	Immunotech RIA	
	ng/ml	3.30	2.48	4.12		
	nmol/l	14.1	10.6	17.6	DRG ELISA	
	ng/ml	4.67	3.51	5.83		
	nmol/l	14.5	10.9	18.1	DIAsource RIA	
	ng/ml	4.80	3.61	5.99		
	nmol/l	14.6	11.0	18.3	DiaMetra ELISA	
	ng/ml	4.83	3.64	6.02		
	nmol/l	11.8	8.85	14.8	SNIBE Maglumi Analysers	
	ng/ml	3.91	2.93	4.89		
	25-OH Vitamin D 25-OH-维生素 D	nmol/l	71.9	53.9	89.9	Diasorin Liaison
		nmol/l	84.1	63.1	105	Siemens Centaur XP/XPT/Classic
nmol/l		56.1	42.1	70.1	Roche Vitamin D Total	
nmol/l		67.8	50.9	84.8	HPLC	
nmol/l		57.7	43.3	72.1	Abbott Architect	
nmol/l		62.0	46.5	77.5	IDS iSYS	
nmol/l		71.6	53.7	89.5	SNIBE Maglumi Analysers	
nmol/l		77.0	57.8	96.3	Vitros ECi	
nmol/l		64.6	48.5	80.8	Tosoh Series	
nmol/l		73.9	55.4	92.4	BioMerieux Vidas	
nmol/l		55.2	41.4	69.0	Beckman Dxl 600/800	
nmol/l		57.1	42.8	71.4	Fujirebio Lumipulse G Series	
ACTH 促肾上腺皮质激素	pmol/l	9.35	7.01	11.7	Siemens Immulite 2000/2500	
	pg/ml	42.5	31.9	53.1		
	pmol/l	4.46	3.35	5.58	Roche Cobas 6000/8000	
	pg/ml	20.3	15.2	25.4		
	pmol/l	15.3	11.5	19.1	CIS IRMA	
	pg/ml	69.5	52.3	86.7		
	pmol/l	9.29	6.97	11.6	Siemens Immulite 1000	
	pg/ml	42.2	31.7	52.7		
	pmol/l	11.6	8.70	14.5	SNIBE Maglumi Analysers	
	pg/ml	52.7	39.5	65.9		
	Aldosterone 醛固酮	pmol/l	93.8	70.4	117	CIS RIA
		pg/ml	33.8	25.4	42.2	
pmol/l		347	260	434	ELISA	
pg/ml		125	93.8	156		
pmol/l		351	263	439	SNIBE Maglumi Analysers	
pg/ml		127	94.9	159		
	pmol/l	298	224	373	IDS iSYS	
	pg/ml	108	80.8	135		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Aldosterone 醛固酮	pmol/l	290	218	363	Diasorin Liaison
	pg/ml	105	78.7	131	
Alphafoetoprotein 甲胎蛋白 (AFP)	KIU/l = IU/ml	45.6	36.5	54.7	Abbott Architect
	ng/ml	55.2	44.2	66.2	
	KIU/l = IU/ml	41.9	33.5	50.3	BioMerieux Vidas
	ng/ml	50.7	40.5	60.9	
	KIU/l = IU/ml	54.1	42.7	65.5	Siemens Centaur XP/XPT/Classic
	ng/ml	65.5	51.7	79.3	
	KIU/l = IU/ml	42.7	34.2	51.2	Siemens Immulite 2000/2500
	ng/ml	51.7	41.4	62.0	
	KIU/l = IU/ml	44.7	35.8	53.6	Siemens Immulite 1000
	ng/ml	54.1	43.3	64.9	
	KIU/l = IU/ml	46.2	37.0	55.4	Beckman Dxl800
	ng/ml	55.9	44.8	67.0	
	KIU/l = IU/ml	48.5	38.8	58.2	Roche Elecsys
	ng/ml	58.7	46.9	70.5	
	KIU/l = IU/ml	49.2	39.4	59.0	Diasorin Liaison
	ng/ml	59.5	47.7	71.3	
	KIU/l = IU/ml	49.6	39.7	59.5	Roche Modular E170
	ng/ml	60.0	48.0	72.0	
	KIU/l = IU/ml	48.6	38.9	58.3	Beckman Access
	ng/ml	58.8	47.1	70.5	
KIU/l = IU/ml	44.6	35.7	53.5	Tosoh Series	
ng/ml	54.0	43.2	64.8		
KIU/l = IU/ml	49.5	39.6	59.4	Vitros ECi	
ng/ml	51.5	41.2	61.8		
KIU/l = IU/ml	49.7	39.8	59.6	Roche Cobas 6000/8000	
ng/ml	60.1	48.2	72.0		
KIU/l = IU/ml	66.4	53.1	79.7	CIS IRMA	
ng/ml	80.3	64.3	96.3		
KIU/l = IU/ml	49.9	39.9	59.9	Roche Cobas E411	
ng/ml	60.4	48.3	72.5		
KIU/l = IU/ml	44.3	35.4	53.2	SNIBE Maglumi Analysers	
ng/ml	53.6	42.8	64.4		
KIU/l = IU/ml	46.8	37.4	56.2	Fujirebio Lumipulse G Series	
ng/ml	56.6	45.3	67.9		
KIU/l = IU/ml	52.0	41.6	62.4	Siemens Dimension	
ng/ml	62.9	50.3	75.5		
KIU/l = IU/ml	52.5	41.5	63.5	Siemens Centaur CP	
ng/ml	63.5	50.2	76.8		
Amikacin 丁胺卡那霉素	µmol/l	13.9	11.1	16.7	Roche Cobas 6000/8000
	µg/ml	8.14	6.50	9.78	
	µmol/l	15.2	12.2	18.2	Gravimetric
	µg/ml	8.90	7.14	10.7	
Androstenedione 雄烯二酮	nmol/l	13.3	9.98	16.6	Siemens Immulite 2000
	ng/ml	3.82	2.86	4.78	

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Analyte	unit	Target	Range		methods
			low	high	
Beta-2-microglobulin β-2-微球蛋白	µg/ml = mg/l	3.44	2.75	4.13	Abbott Architect
	µg/ml = mg/l	3.58	2.86	4.30	BioMerieux Vidas
	µg/ml = mg/l	3.46	2.77	4.15	Behring Nephelometer
	µg/ml = mg/l	3.12	2.50	3.74	Siemens Immulite 2000/2500
	µg/ml = mg/l	3.85	3.08	4.62	Siemens Immulite 1000
	µg/ml = mg/l	3.00	2.40	3.60	Diasorin Liaison
	µg/ml = mg/l	3.36	2.69	4.03	Tosoh Series
	µg/ml = mg/l	3.47	2.78	4.16	Roche Cobas 6000/8000
	µg/ml = mg/l	3.42	2.74	4.10	Siemens Dimension
	µg/ml = mg/l	2.79	2.23	3.35	SNIBE Maglumi Analysers
µg/ml = mg/l	2.96	2.37	3.55	Fujirebio Lumipulse G Series	
C-Peptide C-肽	nmol/l	1.670	1.250	2.090	Siemens Immulite 2000/2500
	ng/ml	5.04	3.77	6.31	
	nmol/l	1.730	1.300	2.160	Roche Elecsys
	ng/ml	5.22	3.92	6.52	
	nmol/l	1.720	1.290	2.150	Roche Cobas 6000/8000
	ng/ml	5.19	3.89	6.49	
	nmol/l	1.590	1.190	1.990	Siemens Immulite 1000
	ng/ml	4.80	3.59	6.01	
	nmol/l	1.980	1.490	2.480	Diasorin Liaison
	ng/ml	5.98	4.50	7.46	
	nmol/l	1.740	1.310	2.180	Roche Cobas E411
	ng/ml	5.25	3.95	6.55	
	nmol/l	1.580	1.190	1.980	Abbott Architect
	ng/ml	4.77	3.59	5.95	
	nmol/l	1.240	0.930	1.550	Siemens Centaur XP/XPT/Classic
	ng/ml	3.74	2.81	4.67	
nmol/l	1.530	1.150	1.910	Tosoh Series	
ng/ml	4.62	3.47	5.77		
nmol/l	1.500	1.130	1.880	ELISA	
ng/ml	4.53	3.41	5.65		
nmol/l	1.770	1.330	2.210	SNIBE Maglumi Analysers	
ng/ml	5.34	4.02	6.66		
CA 15-3	U/ml	48.1	38.5	57.7	Abbott Architect
	U/ml	43.1	34.5	51.7	BioMerieux Vidas
	U/ml	44.9	30.5	59.3	Siemens Centaur XP/XPT/Classic
	U/ml	49.3	39.4	59.2	Siemens Immulite 2000/2500
	U/ml	57.1	45.7	68.5	Siemens Immulite 1000
	U/ml	20.6	16.5	24.7	Beckman DxI800
	U/ml	42.9	34.3	51.5	Roche Elecsys
	U/ml	48.3	38.6	58.0	Diasorin Liaison
	U/ml	44.2	35.4	53.0	Roche Modular E170
	U/ml	21.0	16.8	25.2	Beckman Access
	U/ml	46.7	37.4	56.0	Tosoh Series
	U/ml	43.3	34.6	52.0	Vitros ECi
	U/ml	44.6	35.7	53.5	Roche Cobas 6000/8000

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
CA 15-3	U/ml	43.8	35.0	52.6	Roche Cobas E411
	U/ml	37.6	30.1	45.1	SNIBE Maglumi Analysers
	U/ml	50.4	40.3	60.5	Fujirebio Lumipulse G Series
	U/ml	42.5	28.9	56.1	Siemens Centaur CP
CA 19-9	U/ml	735	588	882	Abbott Architect
	U/ml	148	118	178	BioMerieux Vidas
	U/ml	244	166	322	Siemens Centaur XP/XPT/Classic
	U/ml	90.8	72.6	109	Siemens Immulite 2000/2500
	U/ml	92.9	74.3	111	Beckman Dxl800
	U/ml	64.6	51.7	77.5	Roche Elecsys
	U/ml	158	126	190	Diasorin Liaison
	U/ml	61.3	49.0	73.6	Roche Modular E170
	U/ml	102	81.6	122	Beckman Access
	U/ml	47.0	37.6	56.4	Tosoh Series
	U/ml	157	126	188	Vitros ECi
	U/ml	746	597	895	Abbott Architect XR/XR2 kit
	U/ml	61.3	49.0	73.6	Roche Cobas 6000/8000
	U/ml	62.8	50.2	75.4	Roche Cobas E411
	U/ml	81.3	65.0	97.6	SNIBE Maglumi Analysers
	U/ml	135	108	162	Fujirebio Lumipulse G Series
U/ml	232	158	306	Siemens Centaur CP	
CA125	U/ml	143	114	172	Abbott Architect
	U/ml	106	84.8	127	BioMerieux Vidas
	U/ml	117	79.6	154	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	117	79.6	154	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	112	89.6	134	Siemens Immulite 2000/2500
	U/ml	128	102	154	Siemens Immulite 1000
	U/ml	98.1	78.5	118	Beckman Dxl800
	U/ml	103	82.4	124	Roche Elecsys
	U/ml	144	115	173	Diasorin Liaison
	U/ml	101	80.8	121	Roche Modular E170
	U/ml	101	80.8	121	Beckman Access
	U/ml	185	148	222	Tosoh Series
	U/ml	107	85.6	128	Vitros ECi
	U/ml	102	81.6	122	Roche Cobas E411
	U/ml	101	80.8	121	Roche Cobas 6000/8000
	U/ml	113	90.4	136	SNIBE Maglumi Analysers
U/ml	99.0	79.2	119	Fujirebio Lumipulse G Series	
U/ml	118	80.2	156	Siemens Centaur CP CA125 II kit	
Carbamazepine 立痛定 (卡马西平)	µmol/l	37.0	29.6	44.4	Abbott Architect
	µg/ml	8.75	7.00	10.5	
	µmol/l	40.8	28.6	53.0	Siemens Centaur XP/XPT/Classic
	µg/ml	9.65	6.76	12.5	
	µmol/l	35.2	28.2	42.2	Siemens Dimension
	µg/ml	8.32	6.67	9.97	
	µmol/l	31.7	25.4	38.0	Siemens Immulite 2000/2500
	µg/ml	7.49	6.00	8.98	

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Analyte	unit	Target	Range		methods
			low	high	
Carbamazepine 立痛定 (卡马西平)	µmol/l	34.1	27.3	40.9	Siemens Immulite 1000
	µg/ml	8.06	6.45	9.67	
	µmol/l	37.4	29.9	44.9	Roche Integra
	µg/ml	8.84	7.07	10.6	
	µmol/l	34.8	27.8	41.8	Vitros
	µg/ml	8.23	6.57	9.89	
	µmol/l	35.7	28.6	42.8	Roche Cobas E411
	µg/ml	8.44	6.76	10.1	
	µmol/l	37.1	29.7	44.5	Roche Cobas 6000/8000
	µg/ml	8.77	7.02	10.5	
	µmol/l	33.5	26.8	40.2	Beckman DxC
	µg/ml	7.92	6.34	9.50	
	µmol/l	40.4	32.3	48.5	Beckman AU400/600/640/2700/5400
	µg/ml	9.55	7.64	11.5	
Carcinoembryonic Antigen (CEA) 癌胚抗原	ng/ml = µg/l	26.1	20.9	31.3	Abbott Architect
	ng/ml = µg/l	23.6	18.9	28.3	BioMerieux Vidas
	ng/ml = µg/l	25.9	17.6	34.2	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	17.5	14.0	21.0	CIS RIA Coated tube
	ng/ml = µg/l	33.2	26.6	39.8	Siemens Immulite 2000/2500
	ng/ml = µg/l	33.4	26.7	40.1	Siemens Immulite 1000
	ng/ml = µg/l	21.7	17.4	26.0	Beckman Dxl800
	ng/ml = µg/l	21.3	17.0	25.6	Roche Elecsys
	ng/ml = µg/l	21.5	17.2	25.8	Diasorin Liaison
	ng/ml = µg/l	21.8	17.4	26.2	Roche Modular E170
	ng/ml = µg/l	22.9	18.3	27.5	Beckman Access
	ng/ml = µg/l	33.0	26.4	39.6	Tosoh Series
	ng/ml = µg/l	27.6	22.1	33.1	Vitros ECi
	ng/ml = µg/l	21.5	17.2	25.8	Roche Cobas 6000/8000
	ng/ml = µg/l	21.7	17.4	26.0	Roche Cobas E411
	ng/ml = µg/l	22.5	18.0	27.0	SNIBE Maglumi Analysers
	ng/ml = µg/l	32.4	25.9	38.9	Fujirebio Lumipulse G Series
	ng/ml = µg/l	26.6	18.1	35.1	Siemens Centaur CP
Cortisol 皮质醇	nmol/l	555	416	694	Abbott Architect
	µg/dl	20.0	15.0	25.0	
	nmol/l	536	402	670	BioMerieux Vidas
	µg/dl	19.3	14.5	24.1	
	nmol/l	716	494	938	Siemens Centaur XP/XPT/Classic
	µg/dl	25.8	17.8	33.8	
	nmol/l	533	400	666	CIS RIA
	µg/dl	19.2	14.4	24.0	
	nmol/l	647	485	809	Siemens Immulite 2000/2500
	µg/dl	23.3	17.5	29.1	

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Analyte	unit	Target	Range		methods
			low	high	
Cortisol 皮质醇	nmol/l	666	500	833	Siemens Immulite 1000
	µg/dl	24.0	18.0	30.0	
	nmol/l	603	452	754	Beckman DxI800
	µg/dl	21.7	16.3	27.1	
	nmol/l	613	460	766	Roche Elecsys
	µg/dl	22.1	16.6	27.6	
	nmol/l	655	491	819	Diasorin Liaison
	µg/dl	23.6	17.7	29.5	
	nmol/l	621	466	776	Roche Modular E170
	µg/dl	22.4	16.8	28.0	
	nmol/l	667	500	834	Beckman Access
	µg/dl	24.0	18.0	30.0	
	nmol/l	675	506	844	Tosoh Series
	µg/dl	24.3	18.2	30.4	
	nmol/l	588	441	735	Vitros ECI
	µg/dl	21.2	15.9	26.5	
	nmol/l	617	463	771	Roche Cobas 6000/8000
	µg/dl	22.2	16.7	27.7	
	nmol/l	644	483	805	Roche Cobas E411
	µg/dl	23.2	17.4	29.0	
nmol/l	679	509	849	SNIBE Maglumi Analysers	
µg/dl	24.4	18.3	30.5		
nmol/l	761	525	997	Siemens Centaur CP	
µg/dl	27.4	18.9	35.9		
nmol/l	608	456	760	Roche Modular E170 Gen II	
µg/dl	21.9	16.4	27.4		
nmol/l	658	494	823	Roche Cobas 4000/e411 Gen II	
µg/dl	23.7	17.8	29.6		
nmol/l	610	458	763	Roche Cobas 6000/8000 Gen II	
µg/dl	22.0	16.5	27.5		
nmol/l	641	481	801	Roche Elecsys Gen II	
µg/dl	23.1	17.3	28.9		
DHEA-S 去表雄酮硫酸盐	µmol/l	13.6	10.9	16.3	Abbott Architect
	µmol/l	11.7	9.36	14.0	Siemens Immulite 2000/2500
	µmol/l	12.1	9.68	14.5	Siemens Immulite 1000
	µmol/l	11.2	8.96	13.4	Beckman DxI800
	µmol/l	16.1	12.9	19.3	Roche Elecsys
	µmol/l	16.4	13.1	19.7	Roche Modular E170
	µmol/l	12.5	10.0	15.0	Beckman Access
	µmol/l	11.3	9.04	13.6	Diasorin Liaison
	µmol/l	11.5	7.48	15.5	Siemens Centaur XP/XPT/Classic
	µmol/l	15.9	12.7	19.1	Roche Cobas E411
	µmol/l	16.3	13.0	19.6	Roche Cobas 6000/8000
	µmol/l	13.5	10.8	16.2	SNIBE Maglumi Analysers
Digoxin 地高辛	nmol/l	2.60	2.08	3.12	Abbott Architect
	ng/ml	2.03	1.62	2.44	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin 地高辛	nmol/l	2.81	2.25	3.37	BioMerieux Vidas
	ng/ml	2.19	1.76	2.62	
	nmol/l	3.37	2.59	4.15	Siemens Centaur XP/XPT/Classic
	ng/ml	2.63	2.03	3.23	
	nmol/l	2.98	2.38	3.58	Siemens Dimension
	ng/ml	2.33	1.86	2.80	
	nmol/l	3.57	2.86	4.28	Siemens Immulite 2000/2500
	ng/ml	2.79	2.23	3.35	
	nmol/l	3.12	2.50	3.74	Beckman Dxl800
	ng/ml	2.44	1.95	2.93	
	nmol/l	3.32	2.66	3.98	Roche Elecsys
	ng/ml	2.59	2.08	3.10	
	nmol/l	2.94	2.35	3.53	Roche Integra
	ng/ml	2.30	1.84	2.76	
	nmol/l	3.17	2.54	3.80	Beckman Access
	ng/ml	2.48	1.98	2.98	
	nmol/l	3.11	2.49	3.73	Vitros
	ng/ml	2.43	1.94	2.92	
	nmol/l	3.11	2.49	3.73	Roche Cobas 6000/8000
	ng/ml	2.43	1.94	2.92	
nmol/l	2.60	2.08	3.12	Beckman DxC	
ng/ml	2.03	1.62	2.44		
nmol/l	3.20	2.56	3.84	Beckman AU400/600/640/2700/5400	
ng/ml	2.50	2.00	3.00		
nmol/l	3.02	2.42	3.62	Siemens ADVIA 1200/1650/1800/2400	
ng/ml	2.36	1.89	2.83		
nmol/l	3.51	2.81	4.21	SNIBE Maglumi Analysers	
ng/ml	2.74	2.19	3.29		
nmol/l	3.19	2.55	3.83	Roche Cobas 4000/E411	
ng/ml	2.49	1.99	2.99		
nmol/l	3.07	2.46	3.68	Gravimetric	
ng/ml	2.40	1.92	2.87		
Ethosuximide 乙琥胺	µmol/l	360	288	432	Gravimetric
	µg/ml	51.0	40.8	61.3	
Ferritin 血清铁蛋白	ng/ml = µg/l	118	94.4	142	Abbott Architect
	ng/ml = µg/l	91.2	73.0	109	BioMerieux Vidas
	ng/ml = µg/l	101	75.8	126	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	100	80.0	120	Siemens Dimension
	ng/ml = µg/l	102	81.6	122	Siemens Immulite 2000/2500
	ng/ml = µg/l	95.7	76.6	115	Siemens Immulite 1000
	ng/ml = µg/l	77.9	62.3	93.5	Beckman Dxl800
	ng/ml = µg/l	120	96.0	144	Roche Elecsys
	ng/ml = µg/l	101	80.8	121	Diasorin Liaison
	ng/ml = µg/l	118	94.4	142	Roche Modular E170
ng/ml = µg/l	80.7	64.6	96.8	Beckman Access	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Ferritin 血清铁蛋白	ng/ml = µg/l	78.8	63.0	94.6	Tosoh Series
	ng/ml = µg/l	73.1	58.5	87.7	Vitros ECI
	ng/ml = µg/l	108	86.4	130	Immunotech IRMA
	ng/ml = µg/l	116	92.8	139	Roche Cobas E411
	ng/ml = µg/l	94.2	75.4	113	Beckman AU400/600/640/2700/5400
	ng/ml = µg/l	89.0	71.2	107	SNIBE Maglumi Analysers
	ng/ml = µg/l	63.7	51.0	76.4	Fujirebio Lumipulse G Series
	ng/ml = µg/l	95.9	71.9	120	Siemens Centaur CP
Folate 叶酸	nmol/l	11.8	8.97	14.6	Abbott Architect
	ng/ml	5.20	3.96	6.44	
	nmol/l	27.5	17.9	37.1	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	12.1	7.87	16.3	
	nmol/l	10.2	7.75	12.6	Siemens Immulite 2000
	ng/ml	4.50	3.42	5.58	
	nmol/l	13.9	10.6	17.2	Beckman DxI800
	ng/ml	6.13	4.67	7.59	
	nmol/l	11.4	8.66	14.1	Roche Elecsys
	ng/ml	5.03	3.82	6.24	
	nmol/l	14.1	10.7	17.5	Beckman Access
	ng/ml	6.22	4.72	7.72	
	nmol/l	20.9	15.9	25.9	Tosoh Series
	ng/ml	9.22	7.01	11.4	
	nmol/l	8.96	6.81	11.1	Vitros ECI
	ng/ml	3.95	3.00	4.90	
	nmol/l	10.6	8.06	13.1	MP Biomedicals RIA
	ng/ml	4.67	3.55	5.79	
	nmol/l	12.2	9.27	15.1	Roche Cobas E411
	ng/ml	5.38	4.09	6.67	
nmol/l	12.3	9.35	15.3	Roche Cobas 6000/8000	
ng/ml	5.42	4.12	6.72		
nmol/l	8.43	6.41	10.5	Siemens Dimension	
ng/ml	3.72	2.83	4.61		
nmol/l	30.8	20.0	41.6	Siemens Centaur CP (enhanced kit)	
ng/ml	13.6	8.84	18.4		
nmol/l	12.3	9.35	15.3	Roche Cobas 6000/8000 Folate III	
ng/ml	5.42	4.12	6.72		
nmol/l	11.4	8.66	14.1	Roche Cobas 4000/e411 Folate III	
ng/ml	5.03	3.82	6.24		
Free T3 游离 T3	pmol/l	12.1	9.08	15.1	Abbott Architect
	ng/dl	0.787	0.590	0.984	
	pg/ml	7.88	5.91	9.85	
	pmol/l	13.9	10.4	17.4	BioMerieux Vidas
	ng/dl	0.904	0.676	1.13	
	pg/ml	9.05	6.77	11.3	
	pmol/l	13.6	8.16	19.0	Siemens Centaur XP/XPT/Classic
	ng/dl	0.884	0.530	1.24	
pg/ml	8.85	5.31	12.4		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Free T3 游离 T3	pmol/l	9.53	7.15	11.9	Siemens Immulite 2000/2500
	ng/dl	0.619	0.465	0.773	
pg/ml	6.20	4.65	7.75		
	pmol/l	9.49	7.12	11.9	Siemens Immulite 1000
	ng/dl	0.617	0.463	0.771	
	pg/ml	6.18	4.64	7.72	
	pmol/l	10.0	7.50	12.5	Beckman DxI800
	ng/dl	0.650	0.488	0.812	
	pg/ml	6.51	4.88	8.14	
	pmol/l	15.8	11.9	19.8	Roche Elecsys
	ng/dl	1.03	0.774	1.29	
	pg/ml	10.3	7.75	12.9	
	pmol/l	18.0	13.5	22.5	Diasorin Liaison
	ng/dl	1.17	0.878	1.46	
	pg/ml	11.7	8.79	14.6	
	pmol/l	15.6	11.7	19.5	Roche Modular E170
	ng/dl	1.01	0.761	1.26	
	pg/ml	10.2	7.62	12.8	
	pmol/l	11.2	8.40	14.0	Beckman Access
	ng/dl	0.728	0.546	0.910	
	pg/ml	7.29	5.47	9.11	
	pmol/l	17.2	12.9	21.5	Tosoh Series
	ng/dl	1.12	0.839	1.40	
	pg/ml	11.2	8.40	14.0	
	pmol/l	31.6	23.7	39.5	Vitros ECI
	ng/dl	2.05	1.54	2.56	
	pg/ml	20.6	15.4	25.8	
	pmol/l	15.8	11.9	19.8	Roche Cobas E411
	ng/dl	1.03	0.774	1.29	
	pg/ml	10.3	7.75	12.9	
	pmol/l	15.9	11.9	19.9	Roche Cobas 6000/8000
	ng/dl	1.03	0.774	1.29	
	pg/ml	10.4	7.75	13.1	
	pmol/l	16.4	12.3	20.5	Siemens Dimension
	ng/dl	1.07	0.800	1.34	
	pg/ml	10.7	8.01	13.4	
	pmol/l	16.2	12.2	20.3	Siemens Dimension Vista LOCI
	ng/dl	1.05	0.793	1.31	
	pg/ml	10.5	7.94	13.1	
	pmol/l	13.0	9.75	16.3	SNIBE Maglumi Analysers
	ng/dl	0.845	0.634	1.06	
	pg/ml	8.46	6.35	10.6	
	pmol/l	12.8	7.68	17.9	Siemens Centaur CP
	ng/dl	0.832	0.499	1.17	
	pg/ml	8.33	5.00	11.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Analyte	unit	Target	Range		methods
			low	high	
Free T4 游离 T4	pmol/l	29.9	22.4	37.4	Abbott Architect
	ng/dl	2.33	1.75	2.91	
	pg/ml	23.3	17.5	29.1	
	pmol/l	32.2	24.2	40.2	Siemens Centaur XP/XPT/Classic
	ng/dl	2.51	1.88	3.14	
	pg/ml	25.1	18.8	31.4	
	pmol/l	44.6	33.5	55.8	CIS RIA Coated tube
	ng/dl	3.48	2.61	4.35	
	pg/ml	34.8	26.1	43.5	
	pmol/l	35.7	26.8	44.6	Siemens Dimension
	ng/dl	2.78	2.09	3.47	
	pg/ml	27.8	20.9	34.7	
	pmol/l	43.8	32.9	54.8	Siemens Immulite 2000/2500
	ng/dl	3.42	2.57	4.27	
	pg/ml	34.2	25.7	42.7	
	pmol/l	45.5	34.1	56.9	Siemens Immulite 1000
	ng/dl	3.55	2.66	4.44	
	pg/ml	35.5	26.6	44.4	
	pmol/l	35.1	26.3	43.9	Beckman DxI800
	ng/dl	2.74	2.05	3.43	
	pg/ml	27.4	20.5	34.3	
	pmol/l	42.9	32.2	53.6	Roche Elecsys
	ng/dl	3.35	2.51	4.19	
	pg/ml	33.5	25.1	41.9	
pmol/l	53.6	40.2	67.0	Diasorin Liaison	
ng/dl	4.18	3.14	5.22		
pg/ml	41.8	31.4	52.2		
pmol/l	39.4	29.6	49.3	Roche Modular E170	
ng/dl	3.07	2.31	3.83		
pg/ml	30.7	23.1	38.3		
pmol/l	34.8	26.1	43.5	Beckman Access	
ng/dl	2.71	2.04	3.38		
pg/ml	27.1	20.4	33.8		
pmol/l	43.1	32.3	53.9	Tosoh Series	
ng/dl	3.36	2.52	4.20		
pg/ml	33.6	25.2	42.0		
pmol/l	79.3	59.5	99.0	Vitros ECi	
ng/dl	6.19	4.64	7.74		
pg/ml	61.9	46.4	77.4		
pmol/l	41.5	31.1	51.9	Roche Cobas 6000/8000	
ng/dl	3.24	2.43	4.05		
pg/ml	32.4	24.3	40.5		
pmol/l	37.2	27.9	46.5	Immunotech IRMA	
ng/dl	2.90	2.18	3.62		
pg/ml	29.0	21.8	36.2		
pmol/l	42.6	32.0	53.3	Roche Cobas E411	
ng/dl	3.32	2.50	4.14		
pg/ml	33.2	25.0	41.4		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Free T4 游离 T4	pmol/l	30.0	22.5	37.5	ELISA
	ng/dl	2.34	1.76	2.92	
	pg/ml	23.4	17.6	29.2	
	pmol/l	36.4	27.3	45.5	Siemens Dimension Vista LOCI
	ng/dl	2.84	2.13	3.55	
	pg/ml	28.4	21.3	35.5	
	pmol/l	45.0	33.8	56.3	SNIBE Maglumi Analysers
	ng/dl	3.51	2.64	4.38	
	pg/ml	35.1	26.4	43.8	
	pmol/l	47.2	35.4	59.0	Biomerieux Vidas FT4N Kit
	ng/dl	3.68	2.76	4.60	
	pg/ml	36.8	27.6	46.0	
pmol/l	34.1	25.6	42.6	Siemens Centaur CP	
ng/dl	2.66	2.00	3.32		
pg/ml	26.6	20.0	33.2		
FSH 卵泡刺激素 (FSH)	mU/ml	21.8	17.4	26.2	Abbott Architect
	mU/ml	30.7	24.6	36.8	BioMerieux Vidas
	mU/ml	33.0	24.8	41.2	Siemens Centaur XP/XPT/Classic
	mU/ml	27.0	21.6	32.4	Siemens Immulite 2000/2500
	mU/ml	25.7	20.6	30.8	Siemens Immulite 1000
	mU/ml	26.8	21.4	32.2	Beckman Dxl800
	mU/ml	24.8	19.8	29.8	Roche/BM Elecsys
	mU/ml	29.9	23.9	35.9	Diasorin Liaison
	mU/ml	23.9	19.1	28.7	Roche Modular E170
	mU/ml	26.9	21.5	32.3	Beckman Access
	mU/ml	24.9	19.9	29.9	Tosoh Series
	mU/ml	20.0	16.0	24.0	Vitros ECi
	mU/ml	25.0	20.0	30.0	Roche Cobas E411
	mU/ml	23.9	19.1	28.7	Roche Cobas 6000/8000
	mU/ml	29.0	23.2	34.8	SNIBE Maglumi Analysers
	mU/ml	21.0	16.8	25.2	Fujirebio Lumipulse G Series
mU/ml	28.8	21.6	36.0	Siemens Centaur CP	
Gentamicin 庆大霉素	µmol/l	7.04	5.63	8.45	Roche Integra
	µg/ml	3.37	2.69	4.05	
	µmol/l	8.70	6.18	11.2	Siemens Centaur XP/XPT/Classic
	µg/ml	4.16	2.95	5.37	
	µmol/l	7.21	5.77	8.65	Siemens Dimension Vista
	µg/ml	3.45	2.76	4.14	
	µmol/l	5.54	4.43	6.65	Roche Cobas 6000/8000
	µg/ml	2.65	2.12	3.18	
	µmol/l	8.65	6.92	10.4	Beckman DxC
	µg/ml	4.13	3.31	4.95	
µmol/l	8.16	6.53	9.79	Gravimetric	
µg/ml	3.90	3.12	4.68		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Growth Hormone (GH) 生长激素 (GH)	µU/ml	17.5	14.0	21.0	Siemens Immulite 2000/2500
	ng/ml	5.83	4.66	7.00	
	µU/ml	15.7	12.6	18.8	Siemens Immulite 1000
	ng/ml	5.23	4.20	6.26	
	µU/ml	13.3	10.6	16.0	Beckman Dxl800
	ng/ml	4.43	3.53	5.33	
	µU/ml	13.7	11.0	16.4	Beckman Access
	ng/ml	4.56	3.66	5.46	
	µU/ml	16.3	13.0	19.6	Tosoh Series
	ng/ml	5.43	4.33	6.53	
	µU/ml	15.0	12.0	18.0	Diasorin Liaison
	ng/ml	5.00	4.00	6.00	
	µU/ml	17.5	14.0	21.0	Roche Cobas E411
	ng/ml	5.83	4.66	7.00	
	µU/ml	21.8	17.4	26.2	SNIBE Maglumi Analysers
	ng/ml	7.26	5.79	8.73	
µU/ml	17.6	14.1	21.1	Roche Cobas 6000/8000	
ng/ml	5.86	4.70	7.02		
µU/ml	14.7	11.8	17.6	IDS iSYS	
ng/ml	4.90	3.93	5.87		
Immunoglobulin E 免疫球蛋白 E	KIU/l = IU/ml	106	84.8	127	Abbott Architect
	KIU/l = IU/ml	96.4	77.1	116	BioMerieux Vidas
	KIU/l = IU/ml	113	67.8	158	Siemens Centaur XP/XPT/Classic
	KIU/l = IU/ml	119	95.2	143	Siemens Immulite 2000/2500
	KIU/l = IU/ml	123	98.4	148	Siemens Immulite 1000
	KIU/l = IU/ml	106	84.8	127	Beckman Dxl800
	KIU/l = IU/ml	133	106	160	Roche Elecsys
	KIU/l = IU/ml	116	92.8	139	Pharmacia Unicap
	KIU/l = IU/ml	125	100	150	Roche Modular E170
	KIU/l = IU/ml	116	92.8	139	Tosoh Series
	KIU/l = IU/ml	128	102	154	Roche Cobas E411
	KIU/l = IU/ml	128	102	154	Roche Cobas 6000/8000
	KIU/l = IU/ml	106	84.8	127	SNIBE Maglumi Analysers
	KIU/l = IU/ml	107	85.6	128	Fujirebio Lumipulse G Series
KIU/l = IU/ml	112	67.2	157	Siemens Centaur CP	
Insulin 胰岛素	mU/l	21.1	15.8	26.4	Siemens Centaur XP/XPT/Classic
	µU/ml	21.1	15.8	26.4	
	mU/l	6.86	5.15	8.58	Siemens Immulite 1000
	µU/ml	6.86	5.15	8.57	
	mU/l	22.3	16.7	27.9	Roche Modular E170
	µU/ml	22.3	16.7	27.9	
	mU/l	8.36	6.27	10.5	Siemens Immulite 2000
	µU/ml	8.36	6.27	10.5	
	mU/l	21.6	16.2	27.0	Roche Elecsys
	µU/ml	21.6	16.2	27.0	
mU/l	16.4	12.3	20.5	Beckman Access	
µU/ml	16.4	12.3	20.5		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Insulin 胰岛素	mU/l	18.6	14.0	23.3	Abbott Architect
	μU/ml	18.6	14.0	23.2	
	mU/l	21.6	16.2	27.0	Tosoh Series
	μU/ml	21.6	16.2	27.0	
	mU/l	22.0	16.5	27.5	Roche Cobas E411
	μU/ml	22.0	16.5	27.5	
	mU/l	16.5	12.4	20.6	Beckman Dxl 600/800
	μU/ml	16.5	12.4	20.6	
	mU/l	25.5	19.1	31.9	Diasorin Liaison
	μU/ml	25.5	19.1	31.9	
	mU/l	22.2	16.7	27.8	Roche Cobas 6000/8000
	μU/ml	22.2	16.7	27.7	
	mU/l	19.3	14.5	24.1	SNIBE Maglumi Analysers
	μU/ml	19.3	14.5	24.1	
Luteinising Hormone (LH) 促黄体生成素 (LH)	mU/ml	20.0	16.0	24.0	Abbott Architect
	mU/ml	22.6	18.1	27.1	BioMerieux Vidas
	mU/ml	24.4	18.8	30.0	Siemens Centaur XP/XPT/Classic
	mU/ml	35.7	28.6	42.8	Siemens Immulite 2000
	mU/ml	37.8	30.2	45.4	Siemens Immulite 1000
	mU/ml	17.2	13.8	20.6	Beckman Dxl800
	mU/ml	26.1	20.9	31.3	Roche Elecsys
	mU/ml	28.1	22.5	33.7	Diasorin Liaison
	mU/ml	26.0	20.8	31.2	Roche Modular E170
	mU/ml	17.6	14.1	21.1	Beckman Access
	mU/ml	22.4	17.9	26.9	Tosoh Series
	mU/ml	34.5	27.6	41.4	Vitros ECi
	mU/ml	25.8	20.6	31.0	Roche Cobas E411
	mU/ml	25.9	20.7	31.1	Roche Cobas 6000/8000
	mU/ml	24.2	19.4	29.0	SNIBE Maglumi Analysers
	mU/ml	22.2	17.8	26.6	Fujirebio Lumipulse G Series
mU/ml	26.2	20.2	32.2	Siemens Centaur CP	
Oestradiol 雌二醇 (E2)	pmol/l	746	597	895	Abbott Architect
	pg/ml	203	162	244	
	pmol/l	1130	904	1356	BioMerieux Vidas
	pg/ml	307	246	368	
	pmol/l	1013	608	1418	Siemens Centaur XP/XPT/Classic
	pg/ml	276	166	386	
	pmol/l	997	798	1196	Siemens Immulite 2000/2500
	pg/ml	271	217	325	
pmol/l	1091	873	1309	Siemens Immulite 1000	
pg/ml	297	237	357		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol 雌二醇 (E2)	pmol/l	1061	849	1273	Beckman Dxl800
	pg/ml	289	231	347	
	pmol/l	774	619	929	Roche Elecsys (Estradiol II)
	pg/ml	211	168	254	
	pmol/l	1124	899	1349	Beckman Access
	pg/ml	306	245	367	
	pmol/l	856	685	1027	Tosoh (E2)
	pg/ml	233	186	280	
	pmol/l	960	768	1152	Vitros ECI
	pg/ml	261	209	313	
	pmol/l	793	634	952	Roche Cobas 6000/8000 (Estradiol II)
	pg/ml	216	172	260	
	pmol/l	772	618	926	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	210	168	252	
	pmol/l	1026	616	1436	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	279	167	391	
	pmol/l	986	592	1380	Siemens Centaur XP/XPT/Classic E26 III
	pg/ml	268	161	375	
	pmol/l	1323	1058	1588	SNIBE Maglumi Analysers
	pg/ml	360	288	432	
pmol/l	789	631	947	Tosoh (iE2-hsE2)	
pg/ml	215	172	258		
pmol/l	1055	633	1477	Siemens Centaur CP	
pg/ml	287	172	402		
pmol/l	1088	653	1523	Siemens Centaur CP Enhanced (eE2)	
pg/ml	296	178	414		
pmol/l	900	720	1080	Fujirebio Lumipulse G Series	
pg/ml	245	196	294		
pmol/l	798	638	958	Roche Cobas 6000/8000 (Estradiol III)	
pg/ml	217	174	260		
pmol/l	753	602	904	Roche Elecsys (Estradiol III)	
pg/ml	205	164	246		
pmol/l	783	626	940	Roche Cobas 4000/E411 (Estradiol III)	
pg/ml	213	170	256		
pmol/l	787	630	944	Roche Modular E170 (Estradiol III)	
pg/ml	214	171	257		
Paracetamol 扑热息痛	mmol/l	0.325	0.260	0.390	Abbott Architect
	mg/l	49.2	39.3	59.1	
	mmol/l	0.301	0.241	0.361	Roche Cobas 6000/8000
	mg/l	45.5	36.5	54.5	
mmol/l	0.348	0.280	0.420	Gravimetric	
mg/l	52.7	42.4	63.5		
Phenobarbital 苯巴比妥	µmol/l	80.7	64.6	96.8	Abbott Architect
	µg/ml	18.7	15.0	22.4	
	µmol/l	76.6	61.3	91.9	Siemens ADVIA 1200/1650/1800/2400
	µg/ml	17.8	14.2	21.4	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Phenobarbital 苯巴比妥	µmol/l	74.2	59.4	89.0	Roche Cobas 6000/8000
	µg/ml	17.2	13.8	20.6	
	µmol/l	76.6	61.3	91.9	Siemens Immulite 2000/2500
	µg/ml	17.8	14.2	21.4	
	µmol/l	78.9	63.1	94.7	Beckman AU400/600/640/2700/5400
	µg/ml	18.3	14.6	22.0	
	µmol/l	95.9	69.0	123	Siemens Centaur XP/XPT/Classic
	µg/ml	22.2	16.0	28.4	
	µmol/l	73.2	58.6	87.8	Roche Integra
	µg/ml	17.0	13.6	20.4	
	µmol/l	78.0	62.4	93.6	Siemens Immulite 1000
	µg/ml	18.1	14.5	21.7	
Phenytoin 苯妥英钠	µmol/l	81.6	65.3	97.9	Beckman DxC
	µg/ml	18.9	15.1	22.7	
	µmol/l	77.6	62.1	93.1	Gravimetric
	µg/ml	18.0	14.4	21.6	
	µmol/l	65.5	52.4	78.6	Abbott Architect
	µg/ml	16.5	13.2	19.8	
	µmol/l	82.2	64.1	100	Siemens Centaur XP/XPT/Classic
	µg/ml	20.8	16.2	25.4	
	µmol/l	71.5	57.2	85.8	Siemens Dimension
	µg/ml	18.1	14.4	21.8	
	µmol/l	57.9	46.3	69.5	Siemens Immulite 2000/2500
	µg/ml	14.6	11.7	17.5	
	µmol/l	64.9	51.9	77.9	Siemens Immulite 1000
	µg/ml	16.4	13.1	19.7	
	µmol/l	64.6	51.7	77.5	Roche Integra
	µg/ml	16.3	13.1	19.5	
	µmol/l	69.5	55.6	83.4	Vitros
	µg/ml	17.5	14.0	21.0	
µmol/l	60.9	48.7	73.1	Roche Cobas E411	
µg/ml	15.4	12.3	18.5		
µmol/l	64.7	51.8	77.6	Roche Cobas 6000/8000	
µg/ml	16.3	13.1	19.5		
µmol/l	67.0	53.6	80.4	Beckman DxC	
µg/ml	16.9	13.5	20.3		
µmol/l	71.3	57.0	85.6	Gravimetric	
µg/ml	18.0	14.4	21.6		
Primidone 扑米酮	µmol/l	22.5	18.0	27.0	Gravimetric
	µg/ml	4.91	3.93	5.89	
Progesterone 孕酮	nmol/l	28.3	22.6	34.0	Abbott Architect
	ng/ml	8.86	7.07	10.7	
	nmol/l	42.8	34.2	51.4	BioMerieux Vidas
	ng/ml	13.4	10.7	16.1	
	nmol/l	24.0	16.8	31.2	Siemens Centaur XP/XPT/Classic
	ng/ml	7.51	5.26	9.76	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Progesterone 孕酮	nmol/l	25.9	20.7	31.1	Siemens Immulite 2000/2500
	ng/ml	8.11	6.48	9.74	
	nmol/l	29.3	23.4	35.2	Siemens Immulite 1000
	ng/ml	9.17	7.32	11.0	
	nmol/l	33.3	26.6	40.0	Beckman Dxl Prog Cal 33555
	ng/ml	10.4	8.33	12.5	
	nmol/l	32.8	26.2	39.4	Roche Elecsys (Prog. II)
	ng/ml	10.3	8.20	12.4	
	nmol/l	34.2	27.4	41.0	Beckman Access Prog Cal 33555
	ng/ml	10.7	8.58	12.8	
	nmol/l	39.1	31.3	46.9	Tosoh Series
	ng/ml	12.2	9.80	14.6	
	nmol/l	39.7	31.8	47.6	Vitros ECI
	ng/ml	12.4	9.95	14.9	
	nmol/l	33.6	26.9	40.3	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	10.5	8.42	12.6	
	nmol/l	34.6	27.7	41.5	Roche Cobas 6000/8000 (Prog. II)
	ng/ml	10.8	8.67	12.9	
	nmol/l	27.7	22.2	33.2	Diasorin Liaison
	ng/ml	8.67	6.95	10.4	
nmol/l	35.3	28.2	42.4	SNIBE Maglumi Analysers	
ng/ml	11.0	8.83	13.2		
nmol/l	29.7	23.8	35.6	Beckman Dxl Prog DE Cal A80773	
ng/ml	9.30	7.45	11.2		
nmol/l	25.8	18.1	33.5	Siemens Centaur CP	
ng/ml	8.08	5.66	10.5		
nmol/l	34.0	27.2	40.8	Roche Cobas 6000/8000 (Prog. III)	
ng/ml	10.6	8.51	12.7		
nmol/l	33.6	26.9	40.3	Roche Elecsys (Prog. III)	
ng/ml	10.5	8.42	12.6		
nmol/l	33.8	27.0	40.6	Roche Cobas 4000/e411 (Prog. III)	
ng/ml	10.6	8.45	12.8		
nmol/l	33.6	26.9	40.3	Roche Modular E170 (Prog. III)	
ng/ml	10.5	8.42	12.6		
Prolactin 催乳素	µU/ml	723	578	868	Abbott Architect
	µU/ml	828	662	994	BioMerieux Vidas
	µU/ml	643	502	784	Siemens Centaur XP/XPT/Classic
	µU/ml	647	518	776	Siemens Immulite 2000/2500
	µU/ml	681	545	817	Siemens Immulite 1000
	µU/ml	627	502	752	Beckman Dxl800
	µU/ml	809	647	971	Roche Elecsys
	µU/ml	803	642	964	Diasorin Liaison
	µU/ml	769	615	923	Roche Modular E170
	µU/ml	644	515	773	Beckman Access
	µU/ml	782	626	938	Tosoh Series
	µU/ml	656	525	787	Vitros ECI

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Prolactin 催乳素	µU/ml	778	622	934	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	743	594	892	Immunotech IRMA
	µU/ml	808	646	970	Roche Cobas E411
	µU/ml	782	626	938	Roche Cobas 6000/8000
	µU/ml	762	610	914	SNIBE Maglumi Analysers
	µU/ml	872	698	1046	Fujirebio Lumipulse G Series
	µU/ml	707	566	848	Abbott Architect restandardised
	µU/ml	646	504	788	Siemens Centaur CP
PSA Free FPSA (游离)	ng/ml = µg/l	11.0	8.25	13.8	Abbott Architect
	ng/ml = µg/l	13.1	9.83	16.4	BioMerieux Vidas
	ng/ml = µg/l	12.5	9.38	15.6	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	8.46	6.35	10.6	Siemens Dimension
	ng/ml = µg/l	10.3	7.73	12.9	Siemens Immulite 2000/2500
	ng/ml = µg/l	9.46	7.10	11.8	Siemens Immulite 1000
	ng/ml = µg/l	14.2	10.7	17.8	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	11.6	8.70	14.5	Roche Elecsys
	ng/ml = µg/l	3.27	2.45	4.09	Diasorin Liaison
	ng/ml = µg/l	11.6	8.70	14.5	Roche Modular E170
	ng/ml = µg/l	14.4	10.8	18.0	Beckman Access standardised to Hybritech
	ng/ml = µg/l	10.3	7.73	12.9	Tosoh Series
	ng/ml = µg/l	11.7	8.78	14.6	Roche Cobas E411
	ng/ml = µg/l	11.2	8.40	14.0	Roche Cobas 6000/8000
	ng/ml = µg/l	11.6	8.70	14.5	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	9.79	7.34	12.2	SNIBE Maglumi Analysers
ng/ml = µg/l	10.5	7.88	13.1	Ortho Vitros 3600/5600/ECi PSA II	
ng/ml = µg/l	8.39	6.29	10.5	Fujirebio Lumipulse G Series	
PSA Total TPSA (总)	ng/ml = µg/l	12.7	9.53	15.9	Abbott Architect
	ng/ml = µg/l	13.1	9.83	16.4	BioMerieux Vidas
	ng/ml = µg/l	13.4	10.1	16.8	bioMerieux VIDAS TPSA
	ng/ml = µg/l	12.4	9.30	15.5	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	12.5	9.38	15.6	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	11.3	8.48	14.1	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	13.1	9.83	16.4	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	11.5	8.63	14.4	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	15.0	11.3	18.8	Roche Elecsys
	ng/ml = µg/l	4.25	3.19	5.31	Diasorin Liaison
	ng/ml = µg/l	15.0	11.3	18.8	Roche Modular E170
	ng/ml = µg/l	13.4	10.1	16.8	Beckman Access standardised to Hybritech
	ng/ml = µg/l	12.9	9.68	16.1	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	8.45	6.34	10.6	Tosoh Series
	ng/ml = µg/l	14.6	11.0	18.3	Vitros ECi
	ng/ml = µg/l	12.2	9.15	15.3	CIS RIA Coated tube
	ng/ml = µg/l	15.4	11.6	19.3	Roche Cobas E411
	ng/ml = µg/l	15.2	11.4	19.0	Roche Cobas 6000/8000
	ng/ml = µg/l	16.3	12.2	20.4	SNIBE Maglumi Analysers
ng/ml = µg/l	11.1	8.33	13.9	Fujirebio Lumipulse G Series	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range						
Analyte	unit	Target	low	high	methods	
PSA Total TPSA (总)	ng/ml = µg/l	15.2	11.4	19.0	Ortho Vitros 3600/5600/ECi PSA II	
	ng/ml = µg/l	12.3	9.23	15.4	Siemens Centaur CP	
Salicylic Acid 水杨酸	mmol/l	1.13	0.904	1.36	Roche Integra	
	mg/dl	15.6	12.5	18.7		
	mmol/l	1.19	0.952	1.43	Abbott Architect	
	mg/dl	16.4	13.1	19.7		
	mmol/l	1.23	0.984	1.48	Beckman DxC	
	mg/dl	17.0	13.6	20.4		
SHBG 性激素结合球蛋白	nmol/l	20.8	16.6	25.0	Siemens Immulite 1000	
	nmol/l	24.3	19.4	29.2	Siemens Immulite 2000/2500	
	nmol/l	25.4	20.3	30.5	Roche Modular E170	
	nmol/l	23.7	19.0	28.4	Abbott Architect	
	nmol/l	26.8	21.4	32.2	Roche Cobas E411	
	nmol/l	26.1	20.9	31.3	Roche Cobas 6000/8000	
T Uptake 甲状腺素结合力	%U	34.4	28.2	40.6	Siemens Immulite 2000	
	Testosterone 睾酮	nmol/l	19.4	15.5	23.3	Abbott Architect
		ng/ml	5.59	4.46	6.72	
		ng/dl	559	446	672	
		nmol/l	15.9	12.7	19.1	BioMerieux Vidas
		ng/ml	4.58	3.66	5.50	
ng/dl		458	366	550		
	nmol/l	17.6	12.3	22.9	Siemens Centaur XP/XPT/Classic	
	ng/ml	5.07	3.55	6.59		
	ng/dl	507	355	659		
	nmol/l	19.7	15.8	23.6	CIS RIA Coated tube	
	ng/ml	5.67	4.55	6.79		
	ng/dl	567	455	679		
	nmol/l	23.2	18.6	27.8	Siemens Immulite 2000/2500	
	ng/ml	6.68	5.36	8.00		
	ng/dl	668	536	800		
	nmol/l	26.7	21.4	32.0	Siemens Immulite 1000	
	ng/ml	7.69	6.16	9.22		
	ng/dl	769	616	922		
	nmol/l	17.7	14.2	21.2	Beckman Dxl800	
	ng/ml	5.10	4.09	6.11		
	ng/dl	510	409	611		
	nmol/l	19.0	15.2	22.8	Beckman Access	
	ng/ml	5.47	4.38	6.56		
	ng/dl	547	438	656		
	nmol/l	27.6	22.1	33.1	Tosoh Series	
	ng/ml	7.95	6.36	9.54		
	ng/dl	795	636	954		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Testosterone 睾酮	nmol/l	25.0	20.0	30.0	Vitros ECI
	ng/ml	7.20	5.76	8.64	
	ng/dl	720	576	864	
	nmol/l	20.7	16.6	24.8	Roche Cobas 6000 Test 2
	ng/ml	5.96	4.78	7.14	
	ng/dl	596	478	714	
	nmol/l	19.7	15.8	23.6	Roche Elecsys Test II
	ng/ml	5.67	4.55	6.79	
	ng/dl	567	455	679	
	nmol/l	20.7	16.6	24.8	Roche Modular E170 Test II
	ng/ml	5.96	4.78	7.14	
	ng/dl	596	478	714	
	nmol/l	20.3	16.2	24.4	Roche Cobas 4000/e411 Test II
	ng/ml	5.85	4.67	7.03	
	ng/dl	585	467	703	
	nmol/l	21.9	17.5	26.3	SNIBE Maglumi Analysers
	ng/ml	6.31	5.04	7.58	
	ng/dl	631	504	758	
	nmol/l	19.8	15.8	23.8	Abbott Architect 2nd Generation
	ng/ml	5.70	4.55	6.85	
ng/dl	570	455	685		
nmol/l	17.3	12.1	22.5	Siemens Centaur CP	
ng/ml	4.98	3.49	6.47		
ng/dl	498	349	647		
nmol/l	15.9	12.7	19.1	BioMerieux Vidas Testosterone II	
ng/ml	4.58	3.66	5.50		
ng/dl	458	366	550		
nmol/l	19.0	13.3	24.7	Siemens Centaur TST II	
ng/ml	5.47	3.83	7.11		
ng/dl	547	383	711		
Theophylline 茶碱	µmol/l	75.0	60.0	90.0	Siemens Centaur XP/XPT/Classic
	µg/ml	13.5	10.8	16.2	
	µmol/l	81.8	65.4	98.2	Siemens Dimension
	µg/ml	14.7	11.8	17.6	
	µmol/l	81.5	65.2	97.8	Roche Integra
	µg/ml	14.7	11.7	17.7	
	µmol/l	73.4	58.7	88.1	Abbott Architect
	µg/ml	13.2	10.6	15.8	
	µmol/l	77.7	62.2	93.2	Roche Cobas 6000/8000
	µg/ml	14.0	11.2	16.8	
	µmol/l	76.0	60.8	91.2	Beckman DxC
	µg/ml	13.7	11.0	16.4	
	µmol/l	72.7	58.2	87.2	Beckman AU400/600/640/2700/5400
	µg/ml	13.1	10.5	15.7	
µmol/l	83.8	67.0	101	Gravimetric	
µg/ml	15.1	12.1	18.2		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Thyroglobulin 甲状腺球蛋白	ng/ml	20.3	15.2	25.4	Siemens Immulite 1000
	ng/ml	19.1	14.3	23.9	Siemens Immulite 2000
	ng/ml	33.4	25.1	41.8	Roche Elecsys
	ng/ml	29.9	22.4	37.4	Beckman Dxl800
	ng/ml	33.3	25.0	41.6	Roche Cobas E411
	ng/ml	11.0	8.25	13.8	Diesse Chorus
	ng/ml	32.2	24.2	40.3	Roche Cobas 6000/8000
	ng/ml	31.5	23.6	39.4	Beckman Access
	ng/ml	15.8	11.9	19.8	SNIBE Maglumi Analysers
	ng/ml	34.6	26.0	43.3	Tosoh Series
	ng/ml	32.2	24.2	40.3	Roche Cobas 6000 TGII
	ng/ml	32.7	24.5	40.9	Roche Elecsys TGII
	ng/ml	32.3	24.2	40.4	Roche Cobas 4000/E411 TGII
	ng/ml	32.3	24.2	40.4	Roche Modular E170 TGII
Thyroid Stimulating Hormone 促甲状腺素	μU/ml = mIU/l	1.99	1.59	2.39	Abbott Architect
	μU/ml = mIU/l	2.43	1.94	2.92	bioMerieux VIDAS TSH
	μU/ml = mIU/l	2.33	1.86	2.80	bioMerieux VIDAS TSH3 Ultrasensitive
	μU/ml = mIU/l	2.37	1.61	3.13	Siemens Centaur XP/XPT/Classic
	μU/ml = mIU/l	2.88	2.30	3.46	CIS IRMA
	μU/ml = mIU/l	2.62	1.78	3.46	Siemens Centaur XP/XPT/Classic 3rd Generation
	μU/ml = mIU/l	2.35	1.88	2.82	Siemens Immulite 2000/2500
	μU/ml = mIU/l	2.25	1.80	2.70	Siemens Immulite 1000
	μU/ml = mIU/l	2.07	1.66	2.48	Beckman Dxl800 Fast TSH
	μU/ml = mIU/l	2.04	1.63	2.45	Beckman Dxl800
	μU/ml = mIU/l	2.51	2.01	3.01	Roche Elecsys
	μU/ml = mIU/l	2.77	2.22	3.32	Diasorin Liaison
	μU/ml = mIU/l	2.46	1.97	2.95	Roche Modular E170
	μU/ml = mIU/l	2.04	1.63	2.45	Beckman Access Fast TSH
	μU/ml = mIU/l	2.14	1.71	2.57	Beckman Access hyperTSH 3rd Generation
	μU/ml = mIU/l	2.43	1.94	2.92	Tosoh Series
	μU/ml = mIU/l	2.73	2.18	3.28	Vitros ECi
	μU/ml = mIU/l	2.47	1.98	2.96	Roche Cobas E411
	μU/ml = mIU/l	2.51	2.01	3.01	Roche Cobas 6000/8000
	μU/ml = mIU/l	2.11	1.69	2.53	Beckman Dxl800 Hyper TSH
	μU/ml = mIU/l	2.04	1.63	2.45	Siemens Dimension Vista LOCI
μU/ml = mIU/l	2.52	2.02	3.02	SNIBE Maglumi Analysers	
μU/ml = mIU/l	2.28	1.55	3.01	Siemens Centaur XP/XPT/Classic TSH3-Ultra	
μU/ml = mIU/l	2.37	1.61	3.13	Siemens Centaur CP	
μU/ml = mIU/l	2.29	1.56	3.02	Siemens Centaur CP TSH3-Ultra	
μU/ml = mIU/l	2.08	1.66	2.50	Beckman Dxl 600/800 Access (3rd IS)	
Tobramycin 妥布霉素	μmol/l	7.16	5.73	8.59	Gravimetric
	μg/ml	3.35	2.68	4.02	
Total Beta hCG 总 β-hCG	mU/ml=IU/l	11.6	9.28	13.9	Abbott Architect
	IU/ml	0.012	0.009	0.015	
	mU/ml=IU/l	27.5	22.0	33.0	BioMerieux Vidas
	IU/ml	0.028	0.022	0.034	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG 总 β-hCG	mU/ml=IU/l	14.0	8.40	19.6	Siemens Centaur XP/XPT/Classic
	IU/ml	0.014	0.008	0.020	
	mU/ml=IU/l	26.4	21.1	31.7	Siemens Dimension
	IU/ml	0.026	0.021	0.031	
	mU/ml=IU/l	34.2	27.4	41.0	Siemens Immulite 2000
	IU/ml	0.034	0.027	0.041	
	mU/ml=IU/l	32.9	26.3	39.5	Siemens Immulite 1000
	IU/ml	0.033	0.026	0.040	
	mU/ml=IU/l	12.9	10.3	15.5	Beckman Dxl800
	IU/ml	0.013	0.010	0.016	
	mU/ml=IU/l	11.6	9.28	13.9	Diasorin Liaison
	IU/ml	0.012	0.009	0.015	
	mU/ml=IU/l	14.8	11.8	17.8	Roche Cobas Core EIA
	IU/ml	0.015	0.012	0.018	
	mU/ml=IU/l	13.0	10.4	15.6	Beckman Access
	IU/ml	0.013	0.010	0.016	
	mU/ml=IU/l	26.7	21.4	32.0	Tosoh Series
	IU/ml	0.027	0.021	0.033	
	mU/ml=IU/l	30.4	24.3	36.5	Vitros Eci
	IU/ml	0.030	0.024	0.036	
mU/ml=IU/l	17.8	14.2	21.4	Roche STAT (Intact)	
IU/ml	0.018	0.014	0.022		
mU/ml=IU/l	15.0	12.0	18.0	Roche hCG+Beta	
IU/ml	0.015	0.012	0.018		
mU/ml=IU/l	20.5	16.4	24.6	SNIBE Maglumi Analysers	
IU/ml	0.021	0.016	0.026		
mU/ml=IU/l	9.94	7.95	11.9	Fujirebio Lumipulse G Series	
IU/ml	0.010	0.008	0.012		
mU/ml=IU/l	12.9	10.3	15.5	Beckman Access Total BhCG (5th IS)	
IU/ml	0.013	0.010	0.016		
mU/ml=IU/l	13.1	10.5	15.7	Beckman Dxl Total BhCG (5th IS)	
IU/ml	0.013	0.011	0.015		
mU/ml=IU/l	14.4	8.64	20.2	Siemens Centaur CP	
IU/ml	0.014	0.008	0.020		
Total T3 总 T3	nmol/l	3.31	2.48	4.14	Abbott Architect
	ng/ml	2.15	1.61	2.69	
	ng/dl	215	161	269	
	nmol/l	4.18	3.14	5.23	BioMerieux Vidas
	ng/ml	2.72	2.04	3.40	
	ng/dl	272	204	340	
	nmol/l	4.17	3.13	5.21	Siemens Centaur XP/XPT/Classic
	ng/ml	2.71	2.03	3.39	
	ng/dl	271	203	339	
	nmol/l	3.47	2.60	4.34	Siemens Immulite 2000/2500
	ng/ml	2.26	1.69	2.83	
	ng/dl	226	169	283	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Total T3 总 T3	nmol/l	3.67	2.75	4.59	Siemens Immulite 1000
	ng/ml	2.39	1.79	2.99	
	ng/dl	239	179	299	
	nmol/l	3.42	2.57	4.28	Beckman Dxl800
	ng/ml	2.23	1.67	2.79	
	ng/dl	223	167	279	
	nmol/l	3.82	2.87	4.78	Roche Elecsys
	ng/ml	2.49	1.87	3.11	
	ng/dl	249	187	311	
	nmol/l	3.58	2.69	4.48	Diasorin Liaison
	ng/ml	2.33	1.75	2.91	
	ng/dl	233	175	291	
	nmol/l	3.99	2.99	4.99	Roche Modular E170
	ng/ml	2.60	1.95	3.25	
	ng/dl	260	195	325	
	nmol/l	3.39	2.54	4.24	Beckman Access
	ng/ml	2.21	1.65	2.77	
	ng/dl	221	165	277	
	nmol/l	3.64	2.73	4.55	Tosoh Series
	ng/ml	2.37	1.78	2.96	
ng/dl	237	178	296		
nmol/l	4.23	3.17	5.29	Vitros ECI	
ng/ml	2.75	2.06	3.44		
ng/dl	275	206	344		
nmol/l	2.89	2.17	3.61	CIS RIA Coated tube	
ng/ml	1.88	1.41	2.35		
ng/dl	188	141	235		
nmol/l	4.08	3.06	5.10	Roche Cobas E411	
ng/ml	2.66	1.99	3.33		
ng/dl	266	199	333		
nmol/l	3.98	2.99	4.98	Roche Cobas 6000/8000	
ng/ml	2.59	1.95	3.23		
ng/dl	259	195	323		
nmol/l	4.15	3.11	5.19	SNIBE Maglumi Analysers	
ng/ml	2.70	2.02	3.38		
ng/dl	270	202	338		
nmol/l	4.20	3.15	5.25	Siemens Centaur CP	
ng/ml	2.73	2.05	3.41		
ng/dl	273	205	341		
Total T4 总 T4	nmol/l	134	101	168	Abbott Architect
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	154	116	193	BioMerieux Vidas
	µg/dl	12.0	9.05	15.0	
	ng/ml	120	90.5	150	
	nmol/l	140	91.0	189	Siemens Centaur XP/XPT/Classic
	µg/dl	10.9	7.09	14.7	
	ng/ml	109	70.9	147	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	138	104	173	Siemens Immulite 2000/2500
总 T4	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	141	106	176	Siemens Immulite 1000
	µg/dl	11.0	8.27	13.7	
	ng/ml	110	82.7	137	
	nmol/l	142	107	178	Beckman DxI800
	µg/dl	11.1	8.35	13.9	
	ng/ml	111	83.5	139	
	nmol/l	130	97.5	163	Roche Elecsys
	µg/dl	10.1	7.61	12.6	
	ng/ml	101	76.1	126	
	nmol/l	127	95.3	159	Roche Modular E170
	µg/dl	9.91	7.43	12.4	
	ng/ml	99.1	74.3	124	
	nmol/l	147	110	184	Beckman Access
	µg/dl	11.5	8.58	14.4	
	ng/ml	115	85.8	144	
	nmol/l	126	94.5	158	Tosoh Series
	µg/dl	9.83	7.37	12.3	
	ng/ml	98.3	73.7	123	
	nmol/l	139	104	174	Vitros ECI
	µg/dl	10.8	8.11	13.5	
	ng/ml	108	81.1	135	
	nmol/l	137	103	171	CIS RIA Coated tube
	µg/dl	10.7	8.03	13.4	
	ng/ml	107	80.3	134	
	nmol/l	134	101	168	Roche Cobas E411
	µg/dl	10.5	7.88	13.1	
	ng/ml	105	78.8	131	
	nmol/l	129	96.8	161	Roche Cobas 6000/8000
	µg/dl	10.1	7.55	12.7	
	ng/ml	101	75.5	127	
	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	141	106	176	SNIBE Maglumi Analysers
	µg/dl	11.0	8.27	13.7	
	ng/ml	110	82.7	137	
	nmol/l	151	98.2	204	Siemens Centaur CP
	µg/dl	11.8	7.67	15.9	
	ng/ml	118	76.7	159	
Valproic Acid	µmol/l	495	396	594	Abbott Architect
丙戊酸	µg/ml	71.4	57.1	85.7	

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid 丙戊酸	µmol/l	545	436	654	Siemens Centaur XP/XPT/Classic
	µg/ml	78.6	62.9	94.3	
	µmol/l	523	418	628	Siemens Dimension
	µg/ml	75.5	60.3	90.7	
	µmol/l	523	418	628	Siemens Immulite 2000/2500
	µg/ml	75.5	60.3	90.7	
	µmol/l	534	427	641	Siemens Immulite 1000
	µg/ml	77.1	61.6	92.6	
	µmol/l	514	411	617	Roche Integra
	µg/ml	74.2	59.3	89.1	
	µmol/l	539	431	647	Vitros
	µg/ml	77.8	62.2	93.4	
	µmol/l	531	425	637	Roche Cobas 6000/8000
	µg/ml	76.6	61.3	91.9	
	µmol/l	514	411	617	Beckman DxC
	µg/ml	74.2	59.3	89.1	
µmol/l	572	458	686	Beckman AU400/600/640/2700/5400	
µg/ml	82.5	66.1	98.9		
µmol/l	553	442	664	Siemens ADVIA 1200/1650/1800/2400	
µg/ml	79.8	63.8	95.8		
µmol/l	638	510	766	Gravimetric	
µg/ml	92.1	73.6	111		
Vancomycin 万古霉素	µmol/l	7.77	6.22	9.32	Roche Integra
	µg/ml	11.5	9.24	13.8	
	µmol/l	7.10	5.68	8.52	Abbott Architect
	µg/ml	10.5	8.44	12.6	
	µmol/l	5.57	4.34	6.80	Siemens Centaur XP/XPT/Classic
	µg/ml	8.28	6.46	10.1	
	µmol/l	6.62	5.30	7.94	Siemens Dimension
	µg/ml	9.84	7.87	11.8	
	µmol/l	6.74	5.39	8.09	Roche Cobas 6000/8000
	µg/ml	10.0	8.01	12.0	
µmol/l	7.16	5.73	8.59	Beckman DxC	
µg/ml	10.6	8.51	12.7		
µmol/l	7.10	5.68	8.52	Gravimetric	
µg/ml	10.5	8.44	12.7		
Vitamin B12 维生素 B12	pmol/l	465	372	558	Abbott Architect
	pg/ml	630	504	756	
	pmol/l	519	389	649	Siemens Centaur XP/XPT/Classic
	pg/ml	703	527	879	
	pmol/l	463	370	556	Siemens Immulite 2000
	pg/ml	627	501	753	
	pmol/l	426	341	511	Beckman Dxl800
	pg/ml	577	462	692	
pmol/l	516	413	619	Roche Elecsys	
pg/ml	699	560	838		

IMMUNOASSAY PREMIUM PLUS LEVEL 2 (IA PREMIUM PLUS 2)

Cat. No. IA3110 / IA3112 Lot. No. 1812EC Size: 12 x 5ml / 4 x 5ml Expiry: 2021-05-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12 维生素 B12	pmol/l	509	407	611	Roche Modular E170
	pg/ml	690	551	829	
	pmol/l	437	350	524	Beckman Access
	pg/ml	592	474	710	
	pmol/l	618	494	742	Tosoh Series
	pg/ml	837	669	1005	
	pmol/l	504	403	605	Vitros ECI
	pg/ml	683	546	820	
	pmol/l	501	401	601	MP Biomedicals RIA
	pg/ml	679	543	815	
	pmol/l	495	396	594	Roche Cobas E411
	pg/ml	671	537	805	
	pmol/l	513	410	616	Roche Cobas 6000/8000
	pg/ml	695	556	834	
	pmol/l	443	354	532	Siemens Dimension
	pg/ml	600	480	720	
	pmol/l	425	340	510	SNIBE Maglumi Analysers
	pg/ml	576	461	691	
	pmol/l	521	391	651	Siemens Centaur CP
	pg/ml	706	530	882	