

免疫质控品水平 1

货号: IA3109 GTIN: 05055273207255 规格: 12 x 5 ml
货号: IA3112 GTIN: 05055273207286 规格: 4 x 5 ml
批号: 2105EC 效期: 2024-12-28

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。

S 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 1: 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 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
17-OH-Progesterone 17-羟基孕酮	nmol/l	3.28	2.46	4.10	Immunotech RIA
	ng/ml	1.09	0.814	1.37	
	nmol/l	4.09	3.07	5.11	DRG ELISA
	ng/ml	1.35	1.02	1.68	
	nmol/l	4.77	3.58	5.96	DIAsource RIA
	ng/ml	1.58	1.18	1.98	
25-OH Vitamin D 25-OH-维生素 D	nmol/l	49.7	37.3	62.1	Diasorin Liaison
	nmol/l	24.9	18.7	31.1	Siemens Centaur XP/XPT/Classic
	nmol/l	25.7	19.3	32.1	Roche Vitamin D Total
	nmol/l	25.7	19.3	32.1	Abbott Architect (3L52)
	nmol/l	99.0	74.3	124	Vitros ECi
	nmol/l	28.0	21.0	35.0	Tosoh Series
	nmol/l	34.1	25.6	42.6	BioMerieux Vidas
	nmol/l	50.9	38.2	63.6	Beckman Dxl 600/800
	nmol/l	23.7	17.8	29.6	Fujirebio Lumipulse G Series
	nmol/l	51.9	38.9	64.9	Beckman Access 25 OH Vitamin D Total
	nmol/l	25.3	19.0	31.6	Abbott Architect (5P02)/ Alinity (8P45)
	nmol/l	50.2	37.7	62.8	Diasorin Liaison XL
	nmol/l	27.9	20.9	34.9	Roche Vitamin D Total II
	nmol/l	26.2	19.7	32.8	Abbott Alinity i
	nmol/l	20.2	15.2	25.3	Siemens Atellica IM
nmol/l	25.0	18.8	31.3	Roche Vitamin D Total II e801	
ACTH 促肾上腺皮质激素	pmol/l	7.98	5.99	9.98	CIS IRMA
	pg/ml	36.3	27.2	45.4	
	pmol/l	2.41	1.81	3.01	Siemens Immulite 1000
	pg/ml	11.0	8.23	13.8	
	pmol/l	2.63	1.97	3.29	Roche Elecsys
	pg/ml	12.0	8.95	15.1	
	pmol/l	3.35	2.51	4.19	Diasorin Liaison XL
	pg/ml	15.2	11.4	19.0	
Aldosterone 醛固酮	pmol/l	116	87.0	145	CIS RIA
	pg/ml	41.9	31.4	52.4	
	pmol/l	149	112	186	Immunotech RIA
	pg/ml	53.8	40.4	67.2	
	pmol/l	315	236	394	IDS iSYS
	pg/ml	114	85.1	143	
	pmol/l	98.9	74.2	124	Diasorin Liaison
	pg/ml	35.7	26.8	44.6	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range				
Analyte	unit	Target	low	high	methods	
Alphafoetoprotein	KIU/l = IU/ml	8.17	6.54	9.80	Abbott Architect	
	ng/ml	9.89	7.91	11.9		
甲胎蛋白 (AFP)	KIU/l = IU/ml	8.44	6.75	10.1	BioMerieux Vidas	
	ng/ml	10.2	8.17	12.2		
	KIU/l = IU/ml	9.63	7.70	11.6	Siemens Centaur XP/XPT/Classic	
	ng/ml	11.7	9.32	14.1		
	KIU/l = IU/ml	8.73	6.98	10.5	Siemens Immulite 2000/2500	
	ng/ml	10.6	8.45	12.8		
	KIU/l = IU/ml	8.43	6.74	10.1	Siemens Immulite 1000	
	ng/ml	10.2	8.16	12.2		
	KIU/l = IU/ml	8.58	6.86	10.3	Beckman Dxl800	
	ng/ml	10.4	8.30	12.5		
	KIU/l = IU/ml	9.22	7.38	11.1	Roche Elecsys	
	ng/ml	11.2	8.93	13.5		
	KIU/l = IU/ml	9.15	7.32	11.0	Diasorin Liaison	
	ng/ml	11.1	8.86	13.3		
	KIU/l = IU/ml	8.39	6.71	10.1	Beckman Access	
	ng/ml	10.2	8.12	12.3		
	KIU/l = IU/ml	8.91	7.13	10.7	Tosoh Series	
	ng/ml	10.8	8.63	13.0		
	KIU/l = IU/ml	8.93	7.14	10.7	Vitros ECI	
	ng/ml	9.29	7.43	11.2		
	KIU/l = IU/ml	9.34	7.47	11.2	Roche Cobas e601/602	
	ng/ml	11.3	9.04	13.6		
	KIU/l = IU/ml	16.5	13.2	19.8	CIS IRMA	
	ng/ml	20.0	16.0	24.0		
	KIU/l = IU/ml	9.30	7.44	11.2	Roche Cobas 4000/E411	
	ng/ml	11.3	9.00	13.6		
	KIU/l = IU/ml	9.50	7.60	11.4	Siemens Centaur CP	
	ng/ml	11.5	9.20	13.8		
	KIU/l = IU/ml	7.86	6.29	9.43	Mindray CL Series	
	ng/ml	9.51	7.61	11.4		
	KIU/l = IU/ml	10.1	8.08	12.1	Diasorin Liaison XL	
	ng/ml	12.2	9.78	14.6		
	KIU/l = IU/ml	9.62	7.70	11.5	Siemens Atellica IM	
	ng/ml	11.6	9.32	13.9		
	KIU/l = IU/ml	8.16	6.53	9.79	Abbott Alinity i	
	ng/ml	9.87	7.90	11.8		
	KIU/l = IU/ml	9.47	7.58	11.4	Roche Cobas e402/e801	
	ng/ml	11.5	9.17	13.8		
	KIU/l = IU/ml	7.81	6.25	9.37	Tosoh AIA-CL Series	
	ng/ml	9.45	7.56	11.3		
Amikacin	µmol/l	6.35	5.08	7.62	Roche Cobas 6000/8000	
	µg/ml	3.72	2.97	4.47		
丁胺卡那霉素	µmol/l	6.09	4.87	7.31	Abbott Architect	
	µg/ml	3.57	2.85	4.29		

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Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Amikacin 丁胺卡那霉素	µmol/l	6.15	4.92	7.38	Thermo Scientific QMS Amikacin
	µg/ml	3.60	2.88	4.32	
	µmol/l	6.33	5.06	7.60	Abbott Alinity
	µg/ml	3.71	2.96	4.46	
	µmol/l	6.40	5.12	7.68	Gravimetric
Androstenedione 雄烯二酮	µg/ml	3.04	2.28	3.80	Beckman Coulter RIA
	ng/ml	0.872	0.654	1.09	
	nmol/l	5.97	4.48	7.46	Siemens Immulite 2000
	ng/ml	1.71	1.29	2.13	
	nmol/l	6.49	4.87	8.11	Diasorin Liaison XL
Beta-2-microglobulin β-2-微球蛋白	µg/ml = mg/l	0.933	0.746	1.12	Abbott Architect
	µg/ml = mg/l	0.999	0.799	1.20	BioMerieux Vidas
	µg/ml = mg/l	0.847	0.678	1.02	Behring Nephelometer
	µg/ml = mg/l	0.898	0.718	1.08	Siemens Immulite 2000/2500
	µg/ml = mg/l	0.955	0.764	1.15	Tosoh Series
	µg/ml = mg/l	1.01	0.808	1.21	Roche Cobas 6000/8000
	µg/ml = mg/l	0.655	0.524	0.786	Diasorin Liaison XL
	µg/ml = mg/l	0.772	0.618	0.926	Siemens Atellica CH
	µg/ml = mg/l	0.932	0.746	1.12	Abbott Alinity
C-Peptide C-肽	nmol/l	0.535	0.401	0.669	Siemens Immulite 2000/2500
	ng/ml	1.62	1.21	2.03	
	nmol/l	0.664	0.498	0.830	Roche Elecsys
	ng/ml	2.00	1.50	2.50	
	nmol/l	0.694	0.521	0.868	Roche Cobas e601/602
	ng/ml	2.10	1.57	2.63	
	nmol/l	0.665	0.499	0.831	Diasorin Liaison
	ng/ml	2.01	1.51	2.51	
	nmol/l	0.693	0.520	0.866	Roche Cobas 4000/E411
	ng/ml	2.09	1.57	2.61	
	nmol/l	0.610	0.458	0.763	Abbott Architect
	ng/ml	1.84	1.38	2.30	
	nmol/l	0.448	0.336	0.560	Siemens Centaur XP/XPT/Classic
	ng/ml	1.35	1.01	1.69	
	nmol/l	0.612	0.459	0.765	Tosoh Series
	ng/ml	1.85	1.39	2.31	
	nmol/l	0.711	0.533	0.889	Diasorin Liaison XL
	ng/ml	2.15	1.61	2.69	
	nmol/l	0.673	0.505	0.841	Roche Cobas e402/e801
	ng/ml	2.03	1.52	2.54	
nmol/l	0.422	0.317	0.528	Siemens Atellica IM	
ng/ml	1.27	0.957	1.58		
nmol/l	0.649	0.487	0.811	Vitros ECI	
ng/ml	1.96	1.47	2.45		
nmol/l	0.717	0.538	0.896	Tosoh AIA-CL Series	
ng/ml	2.16	1.62	2.70		

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Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
C-Peptide	nmol/l	0.451	0.338	0.564	Beckman Access
	ng/ml	1.36	1.02	1.70	
C-肽	nmol/l	0.603	0.452	0.754	Abbott Alinity i
	ng/ml	1.82	1.36	2.28	
CA 15-3	U/ml	33.3	26.6	40.0	Abbott Architect
	U/ml	22.9	18.3	27.5	BioMerieux Vidas
	U/ml	24.3	19.4	29.2	Siemens Centaur XP/XPT/Classic
	U/ml	24.2	19.4	29.0	Siemens Immulite 2000/2500
	U/ml	10.6	8.48	12.7	Beckman Dxl800
	U/ml	22.6	18.1	27.1	Roche Elecsys
	U/ml	10.1	8.08	12.1	Beckman Access
	U/ml	26.9	21.5	32.3	Tosoh Series
	U/ml	19.9	15.9	23.9	Vitros ECi
	U/ml	22.2	17.8	26.6	Roche Cobas e601/602
	U/ml	22.2	17.8	26.6	Roche Cobas 4000/E411
	U/ml	24.1	19.3	28.9	Siemens Centaur CP
	U/ml	13.8	11.0	16.6	Mindray CL-2000i
	U/ml	23.8	19.0	28.6	Diasorin Liaison XL
	U/ml	26.6	21.3	31.9	Siemens Atellica IM
	U/ml	20.9	16.7	25.1	Roche Cobas e402/e801
U/ml	32.4	25.9	38.9	Abbott Alinity i	
CA 19-9	U/ml	35.9	28.7	43.1	BioMerieux Vidas
	U/ml	42.4	33.9	50.9	Siemens Centaur XP/XPT/Classic
	U/ml	44.6	35.7	53.5	Siemens Immulite 2000/2500
	U/ml	48.1	38.5	57.7	Beckman Dxl800
	U/ml	23.9	19.1	28.7	Roche Elecsys
	U/ml	53.9	43.1	64.7	Beckman Access
	U/ml	23.3	18.6	28.0	Tosoh Series
	U/ml	49.0	39.2	58.8	Vitros ECi
	U/ml	73.4	58.7	88.1	Abbott Architect XR/XR2/XRL
	U/ml	23.9	19.1	28.7	Roche Cobas e601/602
	U/ml	24.9	19.9	29.9	Roche Cobas 4000/E411
	U/ml	43.8	35.0	52.6	Siemens Centaur CP
	U/ml	19.4	15.5	23.3	Mindray CL-2000i
	U/ml	46.6	37.3	55.9	Diasorin Liaison XL
	U/ml	43.3	34.6	52.0	Siemens Atellica IM
	U/ml	25.7	20.6	30.8	Roche Cobas e402/e801
U/ml	73.6	58.9	88.3	Abbott Alinity XR/XR2/XRL	
CA125	U/ml	27.2	21.8	32.6	Abbott Architect
	U/ml	19.0	15.2	22.8	BioMerieux Vidas
	U/ml	21.1	16.9	25.3	Siemens Centaur XP/XPT/Classic OV Kit
	U/ml	21.8	17.4	26.2	Siemens Centaur XP/XPT/Classic CA125 II kit
	U/ml	17.4	13.9	20.9	Siemens Immulite 2000/2500
	U/ml	21.1	16.9	25.3	Siemens Immulite 1000
U/ml	15.4	12.3	18.5	Beckman Dxl800	

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Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
CA125	U/ml	17.8	14.2	21.4	Roche Elecsys
	U/ml	16.1	12.9	19.3	Beckman Access
	U/ml	32.2	25.8	38.6	Tosoh Series
	U/ml	16.8	13.4	20.2	Vitros ECI
	U/ml	18.0	14.4	21.6	Roche Cobas 4000/E411
	U/ml	18.6	14.9	22.3	Roche Cobas e601/602
	U/ml	16.5	13.2	19.8	Fujirebio Lumipulse G Series
	U/ml	21.9	17.5	26.3	Siemens Centaur CP CA125 II kit
	U/ml	35.0	28.0	42.0	Mindray CL-2000i
	U/ml	23.2	18.6	27.8	Diasorin Liaison XL
	U/ml	25.8	20.6	31.0	Siemens Atellica IM
	U/ml	17.9	14.3	21.5	Roche Cobas e402/e801
	U/ml	27.8	22.2	33.4	Abbott Alinity i
Carbamazepine	µmol/l	15.5	12.4	18.6	Abbott Architect (CMIA)
	µg/ml	3.66	2.93	4.39	
立痛定 (卡马西平)	µmol/l	17.2	13.8	20.6	Siemens Centaur XP/XPT/Classic
	µg/ml	4.07	3.26	4.88	
	µmol/l	13.4	10.7	16.1	Siemens Dimension
	µg/ml	3.17	2.53	3.81	
	µmol/l	13.0	10.4	15.6	Siemens Immulite 2000/2500
	µg/ml	3.07	2.46	3.68	
	µmol/l	13.2	10.6	15.8	Siemens Immulite 1000
	µg/ml	3.12	2.51	3.73	
	µmol/l	15.6	12.5	18.7	Roche Integra
	µg/ml	3.69	2.96	4.42	
	µmol/l	14.2	11.4	17.0	Roche Cobas 6000/8000
	µg/ml	3.36	2.69	4.03	
	µmol/l	15.4	12.3	18.5	Beckman AU400/600/640/2700/5400
	µg/ml	3.64	2.91	4.37	
	µmol/l	14.0	11.2	16.8	Abbott Architect (PETINA)
	µg/ml	3.31	2.65	3.97	
	µmol/l	16.0	12.8	19.2	EMIT
	µg/ml	3.78	3.03	4.53	
	µmol/l	14.4	11.5	17.3	Siemens Atellica CH
	µg/ml	3.40	2.72	4.08	
µmol/l	13.2	10.6	15.8	Abbott Alinity (PETINA)	
µg/ml	3.12	2.51	3.73		
µmol/l	15.4	12.3	18.5	Gravimetric	
µg/ml	3.64	2.91	4.37		
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	5.12	4.10	6.14	Abbott Architect
	ng/ml = µg/l	4.02	3.22	4.82	BioMerieux Vidas
癌胚抗原	ng/ml = µg/l	4.90	3.92	5.88	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	7.44	5.95	8.93	CIS RIA Coated tube
	ng/ml = µg/l	5.97	4.78	7.16	Siemens Immulite 2000/2500
	ng/ml = µg/l	6.28	5.02	7.54	Siemens Immulite 1000
	ng/ml = µg/l	4.15	3.32	4.98	Beckman Dxl800

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Range					
Analyte	unit	Target	low	high	methods
Carcinoembryonic Antigen (CEA) 癌胚抗原	ng/ml = µg/l	4.08	3.26	4.90	Roche Elecsys
	ng/ml = µg/l	3.81	3.05	4.57	Diasorin Liaison
	ng/ml = µg/l	4.34	3.47	5.21	Beckman Access
	ng/ml = µg/l	6.81	5.45	8.17	Tosoh Series
	ng/ml = µg/l	4.30	3.44	5.16	Vitros ECi
	ng/ml = µg/l	4.18	3.34	5.02	Roche Cobas e601/602
	ng/ml = µg/l	4.23	3.38	5.08	Roche Cobas 4000/E411
	ng/ml = µg/l	6.43	5.14	7.72	Fujirebio Lumipulse G Series
	ng/ml = µg/l	4.96	3.97	5.95	Siemens Centaur CP
	ng/ml = µg/l	3.63	2.90	4.36	Mindray CL-2000i
	ng/ml = µg/l	4.23	3.38	5.08	Diasorin Liaison XL
	ng/ml = µg/l	4.82	3.86	5.78	Siemens Atellica IM
	ng/ml = µg/l	4.05	3.24	4.86	Roche Cobas e402/e801
	ng/ml = µg/l	4.91	3.93	5.89	Abbott Alinity i
Cortisol 皮质醇	nmol/l	221	166	276	Abbott Architect
	µg/dl	7.96	5.98	9.94	
	nmol/l	150	113	188	BioMerieux Vidas
	µg/dl	5.40	4.07	6.73	
	nmol/l	212	159	265	Siemens Centaur XP/XPT/Classic
	µg/dl	7.63	5.72	9.54	
	nmol/l	177	133	221	CIS RIA
	µg/dl	6.37	4.79	7.95	
	nmol/l	184	138	230	Siemens Immulite 2000/2500
	µg/dl	6.62	4.97	8.27	
	nmol/l	195	146	244	Siemens Immulite 1000
	µg/dl	7.02	5.26	8.78	
	nmol/l	215	161	269	Beckman Dxl800
	µg/dl	7.74	5.80	9.68	
	nmol/l	196	147	245	Roche Elecsys
	µg/dl	7.06	5.29	8.83	
	nmol/l	218	164	273	Beckman Access
	µg/dl	7.85	5.90	9.80	
	nmol/l	190	143	238	Tosoh Series
	µg/dl	6.84	5.15	8.53	
nmol/l	163	122	204	Vitros ECi	
µg/dl	5.87	4.39	7.35		
nmol/l	196	147	245	Roche Cobas e601/602	
µg/dl	7.06	5.29	8.83		
nmol/l	207	155	259	Roche Cobas 4000/E411	
µg/dl	7.45	5.58	9.32		
nmol/l	232	174	290	Siemens Centaur CP	
µg/dl	8.35	6.26	10.4		
nmol/l	205	154	256	Roche Cobas 4000/e411 Gen II	
µg/dl	7.38	5.54	9.22		
nmol/l	197	148	246	Roche Cobas e601/602 Gen II	
µg/dl	7.09	5.33	8.85		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range			
Analyte	unit	Target	low	high	methods
Cortisol 皮质醇	nmol/l	208	156	260	Roche Elecsys Gen II
	µg/dl	7.49	5.62	9.36	
	nmol/l	217	163	271	Diasorin Liaison XL
	µg/dl	7.81	5.87	9.75	
	nmol/l	248	186	310	Siemens Atellica IM
	µg/dl	8.93	6.70	11.2	
	nmol/l	192	144	240	Roche Cobas e402/e801
	µg/dl	6.91	5.18	8.64	
DHEA-S 去表雄酮硫酸盐	nmol/l	212	159	265	Tosoh AIA-CL Series
	µg/dl	7.63	5.72	9.54	
	nmol/l	218	164	273	Abbott Alinity i
	µg/dl	7.85	5.90	9.80	
	µmol/l	2.27	1.82	2.72	Abbott Architect
	µmol/l	1.78	1.42	2.14	Siemens Immulite 2000/2500
	µmol/l	1.50	1.20	1.80	Siemens Immulite 1000
	µmol/l	2.17	1.74	2.60	Beckman Dxl800
	µmol/l	3.06	2.45	3.67	Roche Elecsys
	µmol/l	2.39	1.91	2.87	Beckman Access
	µmol/l	1.72	1.38	2.06	Diasorin Liaison
	µmol/l	1.98	1.58	2.38	Siemens Centaur XP/XPT/Classic
	µmol/l	2.87	2.30	3.44	Roche Cobas 4000/E411
	µmol/l	2.81	2.25	3.37	Roche Cobas e601/602
µmol/l	1.85	1.48	2.22	Diasorin Liaison XL	
µmol/l	2.02	1.62	2.42	Siemens Atellica IM	
µmol/l	2.77	2.22	3.32	Roche Cobas e402/e801	
µmol/l	2.28	1.82	2.74	Abbott Alinity i	
Digoxin 地高辛	nmol/l	0.584	0.467	0.701	Abbott Architect (CMIA)
	ng/ml	0.456	0.365	0.547	
	nmol/l	0.618	0.494	0.742	BioMerieux Vidas
	ng/ml	0.483	0.386	0.580	
	nmol/l	0.966	0.773	1.16	Siemens Centaur XP/XPT/Classic
	ng/ml	0.754	0.604	0.904	
	nmol/l	0.668	0.534	0.802	Siemens Dimension
	ng/ml	0.522	0.417	0.627	
	nmol/l	0.716	0.573	0.859	Beckman Dxl800
	ng/ml	0.559	0.448	0.670	
	nmol/l	0.796	0.637	0.955	Roche Cobas e601/602
	ng/ml	0.622	0.497	0.747	
	nmol/l	0.852	0.682	1.02	Beckman AU400/600/640/2700/5400
	ng/ml	0.665	0.533	0.797	
	nmol/l	0.874	0.699	1.05	Roche Cobas 4000/E411
	ng/ml	0.683	0.546	0.820	
nmol/l	0.765	0.612	0.918	Roche Cobas e402/e801	
ng/ml	0.597	0.478	0.716		
nmol/l	1.01	0.808	1.21	Siemens Atellica IM	
ng/ml	0.789	0.631	0.947		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Digoxin 地高辛	nmol/l	0.731	0.585	0.877	Abbott Alinity (CMIA)
	ng/ml	0.571	0.457	0.685	
	nmol/l	0.789	0.631	0.947	Abbott Alinity (PETINA)
	ng/ml	0.616	0.493	0.739	
Ethosuximide 乙琥胺	nmol/l	0.896	0.717	1.08	Gravimetric
	ng/ml	0.700	0.560	0.840	
Ferritin 血清铁蛋白	µmol/l	226	181	271	Gravimetric
	µg/ml	32.0	25.7	38.4	
	ng/ml = µg/l	12.3	9.84	14.8	Abbott Architect
	ng/ml = µg/l	9.15	7.32	11.0	BioMerieux Vidas
	ng/ml = µg/l	9.22	7.38	11.1	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	12.3	9.84	14.8	Siemens Dimension
	ng/ml = µg/l	11.2	8.96	13.4	Siemens Immulite 2000/2500
	ng/ml = µg/l	10.6	8.48	12.7	Siemens Immulite 1000
	ng/ml = µg/l	8.52	6.82	10.2	Beckman Dxl800
	ng/ml = µg/l	13.9	11.1	16.7	Roche Elecsys/Cobas e411
	ng/ml = µg/l	11.6	9.28	13.9	Diasorin Liaison
	ng/ml = µg/l	13.5	10.8	16.2	Roche Modular E170 / Roche Cobas e601/602
	ng/ml = µg/l	8.43	6.74	10.1	Beckman Access
	ng/ml = µg/l	8.16	6.53	9.79	Tosoh Series
	ng/ml = µg/l	9.71	7.77	11.7	Vitros ECi
	ng/ml = µg/l	13.9	11.1	16.7	Roche Cobas 4000/c311
	ng/ml = µg/l	14.6	11.7	17.5	Roche Cobas c501/502/503/701/702
	ng/ml = µg/l	8.66	6.93	10.4	Siemens Centaur CP
	ng/ml = µg/l	12.7	10.2	15.2	Diasorin Liaison XL
ng/ml = µg/l	12.9	10.3	15.5	Abbott Alinity i	
ng/ml = µg/l	8.46	6.77	10.2	Siemens Atellica IM	
ng/ml = µg/l	13.7	11.0	16.4	Roche Cobas e402/e801	
Folate 叶酸	nmol/l	6.02	4.58	7.46	Abbott Architect
	ng/ml	2.65	2.02	3.28	
	nmol/l	12.3	9.35	15.3	Siemens Centaur XP/XPT/Classic (enhanced kit)
	ng/ml	5.42	4.12	6.72	
	nmol/l	4.88	3.71	6.05	Siemens Immulite 2000
	ng/ml	2.15	1.64	2.66	
	nmol/l	5.12	3.89	6.35	Beckman Dxl 600 / 800 - A14208
	ng/ml	2.26	1.72	2.80	
	nmol/l	5.66	4.30	7.02	Beckman Access
	ng/ml	2.50	1.90	3.10	
	nmol/l	7.78	5.91	9.65	Tosoh Series
	ng/ml	3.43	2.61	4.25	
	nmol/l	5.13	3.90	6.36	Vitros ECi
	ng/ml	2.26	1.72	2.80	
nmol/l	5.50	4.18	6.82	Beckman Dxl 600 / 800 - A98032	
ng/ml	2.43	1.84	3.02		
nmol/l	14.5	11.0	18.0	Siemens Centaur CP (enhanced kit)	
ng/ml	6.39	4.85	7.93		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Folate 叶酸	nmol/l	5.21	3.96	6.46	Roche Folate III - 04476433
	ng/ml	2.30	1.75	2.85	
	nmol/l	4.91	3.73	6.09	Roche Elecsys Folate
	ng/ml	2.17	1.64	2.70	
	nmol/l	5.06	3.85	6.27	Roche Folate III - 07559992
	ng/ml	2.23	1.70	2.76	
	nmol/l	3.84	2.92	4.76	Diasorin Liaison XL
	ng/ml	1.69	1.29	2.09	
	nmol/l	13.9	10.6	17.2	Siemens Atellica IM
	ng/ml	6.13	4.67	7.59	
Free T3 游离 T3	nmol/l	6.02	4.58	7.46	Abbott Alinity i
	ng/ml	2.65	2.02	3.28	
	nmol/l	4.91	3.73	6.09	Roche Folate 07027290 e801
	ng/ml	2.17	1.64	2.70	
	pmol/l	3.01	2.26	3.76	Abbott Architect, 2 point calibration
	ng/dl	0.196	0.147	0.245	
	pg/ml	1.96	1.47	2.45	
	pmol/l	3.30	2.48	4.13	BioMerieux Vidas
	ng/dl	0.215	0.161	0.269	
	pg/ml	2.15	1.61	2.69	
	pmol/l	4.14	3.11	5.18	Siemens Centaur XP/XPT/Classic
	ng/dl	0.269	0.202	0.336	
	pg/ml	2.70	2.02	3.38	
	pmol/l	3.61	2.71	4.51	Siemens Immulite 2000/2500
	ng/dl	0.235	0.176	0.294	
	pg/ml	2.35	1.76	2.94	
	pmol/l	3.30	2.48	4.13	Siemens Immulite 1000
	ng/dl	0.215	0.161	0.269	
	pg/ml	2.15	1.61	2.69	
	pmol/l	3.65	2.74	4.56	Beckman Dxl800
ng/dl	0.237	0.178	0.296		
pg/ml	2.38	1.78	2.98		
pmol/l	4.43	3.32	5.54	Roche Elecsys	
ng/dl	0.288	0.216	0.360		
pg/ml	2.88	2.16	3.60		
pmol/l	3.09	2.32	3.86	Diasorin Liaison	
ng/dl	0.201	0.151	0.251		
pg/ml	2.01	1.51	2.51		
pmol/l	3.75	2.81	4.69	Beckman Access	
ng/dl	0.244	0.183	0.305		
pg/ml	2.44	1.83	3.05		
pmol/l	3.40	2.55	4.25	Tosoh Series	
ng/dl	0.221	0.166	0.276		
pg/ml	2.21	1.66	2.76		
pmol/l	7.96	5.97	9.95	Vitros Eci	
ng/dl	0.517	0.388	0.646		
pg/ml	5.18	3.89	6.47		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range			
Analyte	unit	Target	low	high	methods
Free T3	pmol/l	4.51	3.38	5.64	Roche Cobas 4000/E411
	ng/dl	0.293	0.220	0.366	
	pg/ml	2.94	2.20	3.68	
游离 T3	pmol/l	4.40	3.30	5.50	Roche Cobas e601/602
	ng/dl	0.286	0.215	0.357	
	pg/ml	2.86	2.15	3.57	
	pmol/l	4.36	3.27	5.45	Siemens Centaur CP
	ng/dl	0.283	0.213	0.353	
	pg/ml	2.84	2.13	3.55	
	pmol/l	3.92	2.94	4.90	Mindray CL-2000i
	ng/dl	0.255	0.191	0.319	
	pg/ml	2.55	1.91	3.19	
	pmol/l	3.59	2.69	4.49	Sysmex HISCL Series
	ng/dl	0.233	0.175	0.291	
	pg/ml	2.34	1.75	2.93	
	pmol/l	3.39	2.54	4.24	Diasorin Liaison XL
	ng/dl	0.220	0.165	0.275	
	pg/ml	2.21	1.65	2.77	
	pmol/l	4.44	3.33	5.55	Siemens Atellica IM
	ng/dl	0.289	0.216	0.362	
	pg/ml	2.89	2.17	3.61	
pmol/l	3.01	2.26	3.76	Abbott Alinity, 2 point cal	
ng/dl	0.196	0.147	0.245		
pg/ml	1.96	1.47	2.45		
pmol/l	2.92	2.19	3.65	Abbott Architect, 6 point calibration	
ng/dl	0.190	0.142	0.238		
pg/ml	1.90	1.43	2.37		
pmol/l	4.30	3.23	5.38	Roche Cobas e402/e801	
ng/dl	0.280	0.210	0.350		
pg/ml	2.80	2.10	3.50		
pmol/l	2.64	1.98	3.30	Tosoh AIA-CL Series	
ng/dl	0.172	0.129	0.215		
pg/ml	1.72	1.29	2.15		
pmol/l	3.08	2.31	3.85	Abbott Alinity, 6 point cal	
ng/dl	0.200	0.150	0.250		
pg/ml	2.01	1.50	2.52		
Free T4	pmol/l	9.70	7.28	12.1	Abbott Architect
	ng/dl	0.757	0.568	0.946	
	pg/ml	7.57	5.68	9.46	
游离 T4	pmol/l	8.82	6.62	11.0	Siemens Centaur XP/XPT/Classic
	ng/dl	0.688	0.516	0.860	
	pg/ml	6.88	5.16	8.60	
	pmol/l	12.0	9.00	15.0	CIS RIA Coated tube
	ng/dl	0.936	0.702	1.17	
	pg/ml	9.36	7.02	11.7	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Free T4	pmol/l	13.7	10.3	17.1	Siemens Immulite 2000/2500
	ng/dl	1.07	0.803	1.34	
	pg/ml	10.7	8.03	13.4	
游离 T4	pmol/l	13.9	10.4	17.4	Siemens Immulite 1000
	ng/dl	1.08	0.811	1.35	
	pg/ml	10.8	8.11	13.5	
	pmol/l	9.61	7.21	12.0	Beckman Dxl800
	ng/dl	0.750	0.562	0.938	
	pg/ml	7.50	5.62	9.38	
	pmol/l	13.0	9.75	16.3	Roche Elecsys
	ng/dl	1.01	0.761	1.26	
	pg/ml	10.1	7.61	12.6	
	pmol/l	12.3	9.23	15.4	Diasorin Liaison
	ng/dl	0.959	0.720	1.20	
	pg/ml	9.59	7.20	12.0	
	pmol/l	9.91	7.43	12.4	Beckman Access
	ng/dl	0.773	0.580	0.966	
	pg/ml	7.73	5.80	9.66	
	pmol/l	10.6	7.95	13.3	Tosoh Series
	ng/dl	0.827	0.620	1.03	
	pg/ml	8.27	6.20	10.3	
	pmol/l	20.1	15.1	25.1	Vitros Eci
	ng/dl	1.57	1.18	1.96	
	pg/ml	15.7	11.8	19.6	
	pmol/l	10.0	7.50	12.5	BioMerieux Vidas
	ng/dl	0.780	0.585	0.975	
	pg/ml	7.80	5.85	9.75	
	pmol/l	13.3	9.98	16.6	Roche Cobas e601/602
	ng/dl	1.04	0.778	1.30	
	pg/ml	10.4	7.78	13.0	
	pmol/l	12.0	9.00	15.0	Immunotech IRMA
	ng/dl	0.936	0.702	1.17	
	pg/ml	9.36	7.02	11.7	
	pmol/l	13.4	10.1	16.8	Roche Cobas 4000/E411
	ng/dl	1.05	0.788	1.31	
	pg/ml	10.5	7.88	13.1	
	pmol/l	10.7	8.03	13.4	Biomerieux Vidas FT4N Kit
	ng/dl	0.835	0.626	1.04	
	pg/ml	8.35	6.26	10.4	
	pmol/l	9.18	6.89	11.5	Siemens Centaur CP
	ng/dl	0.716	0.537	0.895	
	pg/ml	7.16	5.37	8.95	
	pmol/l	11.3	8.48	14.1	Mindray CL-2000i
	ng/dl	0.881	0.661	1.10	
	pg/ml	8.81	6.61	11.0	
	pmol/l	10.6	7.95	13.3	Sysmex HISCL Series
	ng/dl	0.827	0.620	1.03	
	pg/ml	8.27	6.20	10.3	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range			
Analyte	unit	Target	low	high	methods
Free T4 游离 T4	pmol/l	11.6	8.70	14.5	Diasorin Liaison XL
	ng/dl	0.905	0.679	1.13	
	pg/ml	9.05	6.79	11.3	
	pmol/l	9.58	7.19	12.0	Siemens Atellica IM
	ng/dl	0.747	0.561	0.933	
	pg/ml	7.47	5.61	9.33	
	pmol/l	9.36	7.02	11.7	Abbott Alinity i
	ng/dl	0.730	0.548	0.912	
	pg/ml	7.30	5.48	9.12	
	pmol/l	13.1	9.83	16.4	Roche Cobas e402/e801
	ng/dl	1.02	0.767	1.27	
	pg/ml	10.2	7.67	12.7	
FSH 卵泡刺激素	pmol/l	11.0	8.25	13.8	Tosoh AIA-CL Series
	ng/dl	0.858	0.644	1.07	
	pg/ml	8.58	6.44	10.7	
	mU/ml	6.60	5.28	7.92	Abbott Architect
	mU/ml	6.60	5.28	7.92	BioMerieux Vidas
	mU/ml	7.90	6.32	9.48	Siemens Centaur XP/XPT/Classic
	mU/ml	7.21	5.77	8.65	Siemens Immulite 2000/2500
	mU/ml	7.91	6.33	9.49	Siemens Immulite 1000
	mU/ml	7.60	6.08	9.12	Beckman Dxl800
	mU/ml	6.95	5.56	8.34	Roche/BM Elecsys
	mU/ml	8.76	7.01	10.5	Diasorin Liaison
	mU/ml	7.52	6.02	9.02	Beckman Access
	mU/ml	8.74	6.99	10.5	Tosoh Series
	mU/ml	5.54	4.43	6.65	Vitros ECI
	mU/ml	7.32	5.86	8.78	Roche Cobas 4000/E411
	mU/ml	6.62	5.30	7.94	Roche Cobas e601/602
	mU/ml	6.91	5.53	8.29	Siemens Centaur CP
	mU/ml	8.11	6.49	9.73	Mindray CL-2000i
mU/ml	9.63	7.70	11.6	Diasorin Liaison XL	
mU/ml	7.03	5.62	8.44	Siemens Atellica IM	
mU/ml	6.94	5.55	8.33	Abbott Alinity i	
mU/ml	6.90	5.52	8.28	Roche Cobas e402/e801	
Gentamicin 庆大霉素	µmol/l	4.88	3.90	5.86	Roche Integra
	µg/ml	2.33	1.86	2.80	
	µmol/l	4.93	3.94	5.92	Siemens Centaur XP/XPT/Classic
	µg/ml	2.36	1.88	2.84	
	µmol/l	4.84	3.87	5.81	Abbott Architect (CMIA)
	µg/ml	2.31	1.85	2.77	
	µmol/l	3.77	3.02	4.52	Roche Cobas 6000/8000 Online KIMS
	µg/ml	1.80	1.44	2.16	
µmol/l	4.20	3.36	5.04	Roche Cobas 6000/8000 CEDIA	
µg/ml	2.01	1.61	2.41		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range				
Analyte	unit	Target	low	high	methods	
Gentamicin 庆大霉素	µmol/l	5.74	4.59	6.89	EMIT	
	µg/ml	2.74	2.19	3.29		
	µmol/l	5.01	4.01	6.01	Siemens Atellica CH	
	µg/ml	2.39	1.92	2.86		
	µmol/l	5.08	4.06	6.10	Abbott Alinity (PETINA)	
	µg/ml	2.43	1.94	2.92		
Growth Hormone (GH) 生长激素	µU/ml	4.52	3.62	5.42	Siemens Immulite 2000/2500	
	ng/ml	1.51	1.21	1.81		
	µU/ml	4.44	3.55	5.33	Siemens Immulite 1000	
	ng/ml	1.48	1.18	1.78		
	µU/ml	3.07	2.46	3.68	Beckman Dxl800	
	ng/ml	1.02	0.819	1.22		
	µU/ml	3.37	2.70	4.04	Beckman Access	
	ng/ml	1.12	0.899	1.34		
	µU/ml	4.13	3.30	4.96	Tosoh Series	
	ng/ml	1.38	1.10	1.66		
	µU/ml	3.33	2.66	4.00	Diasorin Liaison	
	ng/ml	1.11	0.886	1.33		
	µU/ml	3.98	3.18	4.78	Roche Cobas 4000/E411	
	ng/ml	1.33	1.06	1.60		
	µU/ml	4.20	3.36	5.04	Roche Cobas e601/602	
	ng/ml	1.40	1.12	1.68		
Immunoglobulin E 免疫球蛋白 E	µU/ml	3.06	2.45	3.67	Diasorin Liaison XL	
	ng/ml	1.02	0.816	1.22		
	µU/ml	4.04	3.23	4.85	Roche Cobas e402/e801	
	ng/ml	1.35	1.08	1.62		
	µU/ml	3.37	2.70	4.04	Tosoh AIA-CL Series	
	ng/ml	1.12	0.899	1.34		
	KIU/l = IU/ml	217	174	260	Abbott Architect	
	KIU/l = IU/ml	205	164	246	BioMerieux Vidas	
	KIU/l = IU/ml	236	189	283	Siemens Centaur XP/XPT/Classic	
	KIU/l = IU/ml	241	193	289	Siemens Immulite 2000/2500	
	KIU/l = IU/ml	250	200	300	Siemens Immulite 1000	
	KIU/l = IU/ml	227	182	272	Roche Elecsys	
	KIU/l = IU/ml	214	171	257	Pharmacia Unicap	
	KIU/l = IU/ml	206	165	247	Tosoh Series	
KIU/l = IU/ml	234	187	281	Roche Cobas 4000/E411		
Insulin 胰岛素	mU/l	1.11	0.833	1.39	Siemens Centaur XP/XPT/Classic	
	µU/ml	1.11	0.833	1.39		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Insulin 胰岛素	mU/l	1.47	1.10	1.84	Roche Elecsys
	µU/ml	1.47	1.10	1.84	
	mU/l	0.723	0.542	0.904	Beckman Access
	µU/ml	0.723	0.542	0.904	
	mU/l	1.01	0.758	1.26	Abbott Architect
	µU/ml	1.01	0.758	1.26	
	mU/l	1.91	1.43	2.39	Tosoh Series
	µU/ml	1.91	1.43	2.39	
	mU/l	1.32	0.990	1.65	Roche Cobas 4000/E411
	µU/ml	1.32	0.990	1.65	
	mU/l	0.726	0.545	0.908	Beckman Dxl 600/800
	µU/ml	0.726	0.545	0.907	
	mU/l	1.10	0.825	1.38	Diasorin Liaison
	µU/ml	1.10	0.825	1.38	
	mU/l	1.47	1.10	1.84	Roche Cobas 6000/8000
	µU/ml	1.47	1.10	1.84	
	mU/l	1.74	1.31	2.18	Mindray CL Series
	µU/ml	1.74	1.31	2.17	
mU/l	1.27	0.953	1.59	Siemens Atellica IM	
µU/ml	1.27	0.953	1.59		
mU/l	2.14	1.61	2.68	Tosoh AIA-CL Series	
µU/ml	2.14	1.61	2.67		
Luteinising Hormone (LH) 促黄体生成素	mU/ml	2.13	1.70	2.56	Abbott Architect
	mU/ml	2.53	2.02	3.04	BioMerieux Vidas
	mU/ml	2.55	2.04	3.06	Siemens Centaur XP/XPT/Classic
	mU/ml	4.75	3.80	5.70	Siemens Immulite 2000
	mU/ml	5.46	4.37	6.55	Siemens Immulite 1000
	mU/ml	2.01	1.61	2.41	Beckman Dxl800
	mU/ml	3.48	2.78	4.18	Roche Elecsys
	mU/ml	3.07	2.46	3.68	Diasorin Liaison
	mU/ml	2.09	1.67	2.51	Beckman Access
	mU/ml	2.38	1.90	2.86	Tosoh Series
	mU/ml	4.82	3.86	5.78	Vitros Eci
	mU/ml	3.52	2.82	4.22	Roche Cobas 4000/E411
	mU/ml	3.51	2.81	4.21	Roche Cobas e601/602
	mU/ml	2.49	1.99	2.99	Siemens Centaur CP
	mU/ml	3.41	2.73	4.09	Mindray CL-2000i
	mU/ml	3.45	2.76	4.14	Diasorin Liaison XL
	mU/ml	2.50	2.00	3.00	Siemens Atellica IM
	mU/ml	2.05	1.64	2.46	Abbott Alinity i
mU/ml	3.58	2.86	4.30	Roche Cobas e402/e801	
Oestradiol 雌二醇 (E2)	pmol/l	190	152	228	Abbott Architect
	pg/ml	51.7	41.3	62.1	
	pmol/l	229	183	275	BioMerieux Vidas
	pg/ml	62.3	49.8	74.8	
	pmol/l	147	118	176	Siemens Centaur XP/XPT/Classic
	pg/ml	40.0	32.1	47.9	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Oestradiol 雌二醇 (E2)	pmol/l	117	93.6	140	Beckman Dxl800
	pg/ml	31.8	25.5	38.1	
	pmol/l	167	134	200	Roche Elecsys (Estradiol II)
	pg/ml	45.4	36.4	54.4	
	pmol/l	119	95.2	143	Beckman Access
	pg/ml	32.4	25.9	38.9	
	pmol/l	96.6	77.3	116	Vitros ECI
	pg/ml	26.3	21.0	31.6	
	pmol/l	161	129	193	Roche Cobas e601/602 (Estradiol II)
	pg/ml	43.8	35.1	52.5	
	pmol/l	163	130	196	Roche Cobas 4000/E411 (Estradiol II)
	pg/ml	44.3	35.4	53.2	
	pmol/l	155	124	186	Siemens Centaur XP/XPT/Classic Enhanced (eE2)
	pg/ml	42.2	33.7	50.7	
	pmol/l	150	120	180	Siemens Centaur CP
	pg/ml	40.8	32.6	49.0	
	pmol/l	169	135	203	Roche Cobas e601/602 (Estradiol III)
	pg/ml	46.0	36.7	55.3	
	pmol/l	146	117	175	Roche Elecsys (Estradiol III)
	pg/ml	39.7	31.8	47.6	
pmol/l	163	130	196	Roche Cobas 4000/E411 (Estradiol III)	
pg/ml	44.3	35.4	53.2		
pmol/l	114	91.2	137	Mindray CL Series	
pg/ml	31.0	24.8	37.2		
pmol/l	92.2	73.8	111	Diasorin Liaison XL	
pg/ml	25.1	20.1	30.1		
pmol/l	135	108	162	Beckman Access / Access 2 Sensitive B84493	
pg/ml	36.7	29.4	44.0		
pmol/l	116	92.8	139	Beckman Dxl600/800 Sensitive B84493	
pg/ml	31.6	25.2	38.0		
pmol/l	151	121	181	Siemens Atellica IM	
pg/ml	41.1	32.9	49.3		
pmol/l	187	150	224	Abbott Alinity i	
pg/ml	50.9	40.8	61.0		
pmol/l	163	130	196	Roche Cobas e801 (Estradiol III)	
pg/ml	44.3	35.4	53.2		
Paracetamol 扑热息痛	mmol/l	0.157	0.126	0.188	Abbott Architect
	mg/l	23.8	19.1	28.5	
	mmol/l	0.152	0.122	0.182	Roche Cobas c501/502/503/701/702
	mg/l	23.0	18.5	27.5	
	mmol/l	0.161	0.129	0.193	Beckman AU Instruments
	mg/l	24.4	19.5	29.3	
mmol/l	0.155	0.124	0.186	EMIT	
mg/l	23.5	18.8	28.2		
mmol/l	0.160	0.128	0.192	Abbott Alinity	
mg/l	24.2	19.4	29.0		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range			
Analyte	unit	Target	low	high	methods
Paracetamol 扑热息痛	mmol/l	0.166	0.130	0.200	Gravimetric
	mg/l	25.1	19.7	30.3	
Phenobarbital 苯巴比妥	µmol/l	35.9	28.7	43.1	Abbott Architect (CMIA)
	µg/ml	8.33	6.66	10.0	
	µmol/l	32.5	26.0	39.0	Roche Cobas e601/602/801
	µg/ml	7.54	6.03	9.05	
	µmol/l	36.6	29.3	43.9	Siemens Immulite 2000/2500
	µg/ml	8.49	6.80	10.2	
	µmol/l	30.3	24.2	36.4	Beckman AU400/600/640/2700/5400
	µg/ml	7.03	5.61	8.45	
	µmol/l	46.5	37.2	55.8	Siemens Centaur XP/XPT/Classic
	µg/ml	10.8	8.63	13.0	
	µmol/l	34.5	27.6	41.4	Roche Integra
	µg/ml	8.00	6.40	9.60	
	µmol/l	32.0	25.6	38.4	Roche Cobas C303/501/502/503/701
	µg/ml	7.42	5.94	8.90	
	µmol/l	33.8	27.0	40.6	Abbott Architect (PETINA)
	µg/ml	7.84	6.26	9.42	
Phenytoin 苯妥英钠	µmol/l	35.0	28.0	42.0	Siemens Atellica CH
	µg/ml	8.12	6.50	9.74	
	µmol/l	29.8	23.8	35.8	Abbott Alinity (PETINA)
	µg/ml	6.91	5.52	8.30	
	µmol/l	34.5	27.6	41.4	Gravimetric
	µg/ml	8.00	6.40	9.60	
	µmol/l	19.5	15.6	23.4	Abbott Architect
	µg/ml	4.92	3.94	5.90	
	µmol/l	19.5	15.6	23.4	Siemens Centaur XP/XPT/Classic
	µg/ml	4.92	3.94	5.90	
	µmol/l	17.5	14.0	21.0	Siemens Dimension
	µg/ml	4.42	3.54	5.30	
	µmol/l	19.2	15.4	23.0	Siemens Immulite 2000/2500
	µg/ml	4.85	3.89	5.81	
	µmol/l	18.5	14.8	22.2	Roche Cobas 6000/8000
	µg/ml	4.67	3.74	5.60	
µmol/l	19.6	15.7	23.5	Beckman DxC	
µg/ml	4.95	3.96	5.94		
µmol/l	18.3	14.6	22.0	Beckman AU Instruments	
µg/ml	4.62	3.69	5.55		
µmol/l	19.3	15.4	23.2	EMIT	
µg/ml	4.87	3.89	5.85		
µmol/l	16.8	13.4	20.2	Siemens Atellica CH	
µg/ml	4.24	3.38	5.10		
µmol/l	19.9	15.9	23.9	Abbott Alinity	
µg/ml	5.02	4.01	6.03		
µmol/l	20.2	16.2	24.2	Gravimetric	
µg/ml	5.10	4.09	6.11		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Primidone 扑米酮	µmol/l	12.3	9.84	14.8	Gravimetric
	µg/ml	2.69	2.15	3.23	
Progesterone 孕酮	nmol/l	3.14	2.51	3.77	Abbott Architect
	ng/ml	0.983	0.786	1.18	
	nmol/l	4.37	3.50	5.24	BioMerieux Vidas
	ng/ml	1.37	1.10	1.64	
	nmol/l	2.45	1.96	2.94	Siemens Centaur XP/XPT/Classic
	ng/ml	0.767	0.613	0.921	
	nmol/l	3.19	2.55	3.83	Siemens Immulite 2000/2500
	ng/ml	0.998	0.798	1.20	
	nmol/l	3.07	2.46	3.68	Siemens Immulite 1000
	ng/ml	0.961	0.770	1.15	
	nmol/l	2.85	2.28	3.42	Beckman Dxl Prog Cal 33555
	ng/ml	0.892	0.714	1.07	
	nmol/l	3.29	2.63	3.95	Roche Elecsys (Prog. II)
	ng/ml	1.03	0.823	1.24	
	nmol/l	2.91	2.33	3.49	Beckman Access Prog Cal 33555
	ng/ml	0.911	0.729	1.09	
	nmol/l	3.09	2.47	3.71	Vitros ECi
	ng/ml	0.967	0.773	1.16	
	nmol/l	3.32	2.66	3.98	Roche Cobas 4000/e411 (Prog. II)
	ng/ml	1.04	0.833	1.25	
nmol/l	3.48	2.78	4.18	Roche Cobas e601/602 (Prog. II)	
ng/ml	1.09	0.870	1.31		
nmol/l	2.42	1.94	2.90	Siemens Centaur CP	
ng/ml	0.757	0.607	0.907		
nmol/l	2.65	2.12	3.18	Mindray CL-2000i	
ng/ml	0.829	0.664	0.994		
nmol/l	3.47	2.78	4.16	Roche Cobas e601/602 (Prog. III)	
ng/ml	1.09	0.870	1.31		
nmol/l	3.57	2.86	4.28	Roche Elecsys (Prog. III)	
ng/ml	1.12	0.895	1.35		
nmol/l	3.42	2.74	4.10	Roche Cobas 4000/e411 (Prog. III)	
ng/ml	1.07	0.858	1.28		
nmol/l	1.91	1.53	2.29	Diasorin Liaison XL	
ng/ml	0.598	0.479	0.717		
nmol/l	2.88	2.30	3.46	Abbott Alinity i	
ng/ml	0.901	0.720	1.08		
nmol/l	3.26	2.61	3.91	Roche Cobas e801 (Prog. III)	
ng/ml	1.02	0.817	1.22		
nmol/l	3.98	3.18	4.78	Tosoh AIA-CL Series	
ng/ml	1.25	0.995	1.51		
Prolactin 催乳素	µU/ml	168	134	202	Abbott Architect
	µU/ml	143	114	172	BioMerieux Vidas
	µU/ml	146	117	175	Siemens Centaur XP/XPT/Classic

IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Prolactin 催乳素	µU/ml	150	120	180	Siemens Immulite 2000/2500
	µU/ml	165	132	198	Siemens Immulite 1000
	µU/ml	139	111	167	Beckman Dxl800
	µU/ml	128	102	154	Roche Elecsys
	µU/ml	129	103	155	Diasorin Liaison
	µU/ml	143	114	172	Beckman Access
	µU/ml	161	129	193	Tosoh Series
	µU/ml	173	138	208	Vitros ECi
	µU/ml	125	100	150	Roche Elecsys/E170/Cobas 6000/8000 PRLII
	µU/ml	156	125	187	Immunotech IRMA
	µU/ml	130	104	156	Roche Cobas 4000/E411
	µU/ml	125	100	150	Roche Cobas e601/602
	µU/ml	141	113	169	Siemens Centaur CP
	µU/ml	200	160	240	Mindray CL-2000i
	µU/ml	160	128	192	Diasorin Liaison XL
µU/ml	145	116	174	Siemens Atellica IM	
µU/ml	170	136	204	Abbott Alinity i	
µU/ml	125	100	150	Roche Cobas e801 PRL II	
PSA Free PSA (游离)	ng/ml = µg/l	1.85	1.39	2.31	Abbott Architect
	ng/ml = µg/l	2.07	1.55	2.59	BioMerieux Vidas
	ng/ml = µg/l	1.60	1.20	2.00	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.68	1.26	2.10	Siemens Immulite 2000/2500
	ng/ml = µg/l	1.79	1.34	2.24	Beckman DXI standardised to Hybritech
	ng/ml = µg/l	1.24	0.930	1.55	Roche Elecsys
	ng/ml = µg/l	1.55	1.16	1.94	Diasorin Liaison
	ng/ml = µg/l	1.84	1.38	2.30	Beckman Access standardised to Hybritech
	ng/ml = µg/l	1.26	0.945	1.58	Tosoh Series
	ng/ml = µg/l	1.20	0.900	1.50	Roche Cobas 4000/E411
	ng/ml = µg/l	1.22	0.915	1.53	Roche Cobas e601/602
	ng/ml = µg/l	1.69	1.27	2.11	Beckman Dxl800 standardised to WHO IRP96/670
	ng/ml = µg/l	1.72	1.29	2.15	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	1.06	0.795	1.33	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.63	1.22	2.04	Diasorin Liaison XL
ng/ml = µg/l	1.65	1.24	2.06	Siemens Atellica IM	
ng/ml = µg/l	1.87	1.40	2.34	Abbott Alinity i	
ng/ml = µg/l	1.19	0.893	1.49	Roche Cobas e402/e801	
PSA Total PSA (总)	ng/ml = µg/l	1.21	0.908	1.51	Abbott Architect
	ng/ml = µg/l	1.99	1.49	2.49	BioMerieux Vidas
	ng/ml = µg/l	1.97	1.48	2.46	bioMerieux VIDAS TPSA
	ng/ml = µg/l	1.54	1.16	1.93	Siemens Centaur XP/XPT/Classic
	ng/ml = µg/l	1.77	1.33	2.21	Siemens Immulite 2000/2500 1st generation
	ng/ml = µg/l	1.78	1.34	2.23	Siemens Immulite 2000/2500 3rd generation
	ng/ml = µg/l	2.09	1.57	2.61	Siemens Immulite 1000 1st generation
	ng/ml = µg/l	1.56	1.17	1.95	Beckman Dxl standardisd to Hybritech
	ng/ml = µg/l	1.34	1.01	1.68	Beckman Dxl800 standardised to WHO IRP96/670
ng/ml = µg/l	1.54	1.16	1.93	Roche Elecsys	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
PSA Total PSA (总)	ng/ml = µg/l	1.46	1.10	1.83	Diasorin Liaison
	ng/ml = µg/l	1.62	1.22	2.03	Beckman Access standardised to Hybritech
	ng/ml = µg/l	1.62	1.22	2.03	Beckman Access standardised to WHO IRP96/670
	ng/ml = µg/l	1.33	0.998	1.66	Tosoh Series
	ng/ml = µg/l	1.54	1.16	1.93	Vitros ECi
	ng/ml = µg/l	2.22	1.67	2.78	CIS RIA Coated tube
	ng/ml = µg/l	1.56	1.17	1.95	Roche Cobas 4000/E411
	ng/ml = µg/l	1.60	1.20	2.00	Roche Cobas e601/602
	ng/ml = µg/l	1.53	1.15	1.91	Ortho Vitros 3600/5600/ECi PSA II
	ng/ml = µg/l	1.39	1.04	1.74	Siemens Centaur CP
	ng/ml = µg/l	1.51	1.13	1.89	Diasorin Liaison XL
	ng/ml = µg/l	1.53	1.15	1.91	Siemens Atellica IM
	ng/ml = µg/l	1.25	0.938	1.56	Abbott Alinity i
	ng/ml = µg/l	1.55	1.16	1.94	Roche Cobas e402/e801
Salicylic Acid 水杨酸	mmol/l	0.267	0.214	0.320	Roche Cobas c501/502/503
	mg/dl	3.69	2.96	4.42	
	mmol/l	0.286	0.230	0.340	Gravimetric
	mg/dl	3.95	3.18	4.70	
SHBG 性激素结合球蛋白	nmol/l	12.2	9.76	14.6	Siemens Immulite 2000/2500
	nmol/l	12.3	9.84	14.8	Abbott Architect
	nmol/l	11.8	9.44	14.2	Beckman Access
	nmol/l	12.0	9.60	14.4	Beckman Dxi800
	nmol/l	10.4	8.32	12.5	Siemens Atellica IM
	nmol/l	11.6	9.28	13.9	Roche analysers - 413417/15
	nmol/l	11.3	9.04	13.6	Roche Cobas e801 - 413429
	nmol/l	12.4	9.92	14.9	Abbott Alinity i
T Uptake 甲状腺素结合力	%U	34.1	28.0	40.2	Siemens Immulite 2000
Testosterone 睾酮	nmol/l	1.98	1.58	2.38	Abbott Architect
	ng/ml	0.570	0.455	0.685	
	ng/dl	57.0	45.5	68.5	
	nmol/l	1.03	0.824	1.24	BioMerieux Vidas
	ng/ml	0.297	0.237	0.357	
	ng/dl	29.7	23.7	35.7	
	nmol/l	1.22	0.976	1.46	Siemens Centaur XP/XPT/Classic
	ng/ml	0.351	0.281	0.421	
	ng/dl	35.1	28.1	42.1	
	nmol/l	1.59	1.27	1.91	CIS RIA Coated tube
	ng/ml	0.458	0.366	0.550	
	ng/dl	45.8	36.6	55.0	
	nmol/l	1.41	1.13	1.69	Siemens Immulite 1000
	ng/ml	0.406	0.325	0.487	
	ng/dl	40.6	32.5	48.7	
	nmol/l	1.68	1.34	2.02	Beckman Dxi800
ng/ml	0.484	0.386	0.582		
ng/dl	48.4	38.6	58.2		
nmol/l	1.84	1.47	2.21	Beckman Access	
ng/ml	0.530	0.423	0.637		
ng/dl	53.0	42.3	63.7		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range			
Analyte	unit	Target	low	high	methods
Testosterone 睾酮	nmol/l	0.983	0.786	1.18	Tosoh Series
	ng/ml	0.283	0.226	0.340	
	ng/dl	28.3	22.6	34.0	
	nmol/l	1.03	0.824	1.24	Vitros ECI
	ng/ml	0.297	0.237	0.357	
	ng/dl	29.7	23.7	35.7	
	nmol/l	1.78	1.42	2.14	Roche Cobas e601/602 Test II
	ng/ml	0.513	0.409	0.617	
	ng/dl	51.3	40.9	61.7	
	nmol/l	1.86	1.49	2.23	Roche Elecsys Test II
	ng/ml	0.536	0.429	0.643	
	ng/dl	53.6	42.9	64.3	
	nmol/l	1.80	1.44	2.16	Roche Cobas 4000/e411 Test II
	ng/ml	0.518	0.415	0.621	
	ng/dl	51.8	41.5	62.1	
	nmol/l	2.00	1.60	2.40	Abbott Architect 2nd Generation
	ng/ml	0.576	0.461	0.691	
	ng/dl	57.6	46.1	69.1	
	nmol/l	1.19	0.952	1.43	Siemens Centaur CP
	ng/ml	0.343	0.274	0.412	
ng/dl	34.3	27.4	41.2		
nmol/l	1.03	0.824	1.24	BioMerieux Vidas Testosterone II	
ng/ml	0.297	0.237	0.357		
ng/dl	29.7	23.7	35.7		
nmol/l	1.22	0.976	1.46	Siemens Centaur TST II	
ng/ml	0.351	0.281	0.421		
ng/dl	35.1	28.1	42.1		
nmol/l	0.764	0.611	0.917	Diasorin Liaison XL	
ng/ml	0.220	0.176	0.264		
ng/dl	22.0	17.6	26.4		
nmol/l	1.15	0.920	1.38	Siemens Atellica IM	
ng/ml	0.331	0.265	0.397		
ng/dl	33.1	26.5	39.7		
nmol/l	1.78	1.42	2.14	Roche Cobas e801 Test II	
ng/ml	0.513	0.409	0.617		
ng/dl	51.3	40.9	61.7		
nmol/l	1.92	1.54	2.30	Tosoh AIA-CL Series	
ng/ml	0.553	0.444	0.662		
ng/dl	55.3	44.4	66.2		
nmol/l	1.93	1.54	2.32	Abbott Alinity i	
ng/ml	0.556	0.444	0.668		
ng/dl	55.6	44.4	66.8		
Theophylline 茶碱	µmol/l	32.3	25.8	38.8	Siemens Centaur XP/XPT/Classic
	µg/ml	5.82	4.65	6.99	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Theophylline 茶碱	µmol/l	28.6	22.9	34.3	Roche Integra
	µg/ml	5.15	4.13	6.17	
	µmol/l	24.6	19.7	29.5	Abbott Architect (CMIA)
	µg/ml	4.43	3.55	5.31	
	µmol/l	26.8	21.4	32.2	Roche Cobas 6000/8000
	µg/ml	4.83	3.86	5.80	
	µmol/l	25.4	20.3	30.5	Beckman AU400/600/640/2700/5400
	µg/ml	4.58	3.66	5.50	
	µmol/l	28.3	22.6	34.0	Gravimetric
	µg/ml	5.10	4.07	6.13	
Thyroglobulin 甲状腺球蛋白	ng/ml	2.08	1.56	2.60	Roche Elecsys
	ng/ml	1.71	1.28	2.14	Beckman Dxl800
	ng/ml	2.16	1.62	2.70	Roche Cobas 4000/E411
	ng/ml	2.10	1.58	2.63	Roche Cobas e601/602
	ng/ml	1.84	1.38	2.30	Beckman Access
	ng/ml	2.17	1.63	2.71	Abbott Architect 2000i
	ng/ml	2.45	1.84	3.06	Tosoh Series
	ng/ml	2.15	1.61	2.69	Roche Cobas e601/602 Tg II
	ng/ml	2.22	1.67	2.78	Roche Elecsys TGII
	ng/ml	2.15	1.61	2.69	Roche Cobas 4000/E411 TGII
	ng/ml	0.717	0.538	0.896	Diasorin Liaison XL
	ng/ml	2.09	1.57	2.61	Roche Cobas e801 Tg II
	ng/ml	0.645	0.484	0.806	DiaSorin Liaison TG II Gen
	ng/ml	0.756	0.567	0.945	DiaSorin Liaison XL TG II Gen
ng/ml	2.09	1.57	2.61	Abbott Alinity i	
Thyroid Stimulating Hormone 促甲状腺素	µU/ml = mIU/l	0.065	0.052	0.078	Abbott Architect
	µU/ml = mIU/l	0.050	0.040	0.060	bioMerieux VIDAS TSH
	µU/ml = mIU/l	0.041	0.033	0.049	bioMerieux VIDAS TSH3 Ultrasensitive
	µU/ml = mIU/l	0.073	0.058	0.088	Siemens Centaur XP/XPT/Classic
	µU/ml = mIU/l	0.071	0.057	0.085	Siemens Centaur XP/XPT/Classic 3rd Generation
	µU/ml = mIU/l	0.061	0.049	0.073	Beckman Dxl800 Fast TSH
	µU/ml = mIU/l	0.060	0.048	0.072	Beckman Dxl800
	µU/ml = mIU/l	0.112	0.090	0.134	Roche Elecsys
	µU/ml = mIU/l	0.112	0.090	0.134	Diasorin Liaison
	µU/ml = mIU/l	0.065	0.052	0.078	Beckman Access Fast TSH
	µU/ml = mIU/l	0.062	0.050	0.074	Beckman Access hyperTSH 3rd Generation
	µU/ml = mIU/l	0.092	0.074	0.110	Tosoh Series
	µU/ml = mIU/l	0.055	0.044	0.066	Vitros ECI
	µU/ml = mIU/l	0.104	0.083	0.125	Roche Cobas 4000/E411
	µU/ml = mIU/l	0.104	0.083	0.125	Roche Cobas e601/602
	µU/ml = mIU/l	0.060	0.048	0.072	Beckman Dxl800 Hyper TSH
	µU/ml = mIU/l	0.069	0.055	0.083	Siemens Centaur XP/XPT/Classic TSH3-Ultra
	µU/ml = mIU/l	0.068	0.054	0.082	Siemens Centaur CP
	µU/ml = mIU/l	0.064	0.051	0.077	Siemens Centaur CP TSH3-Ultra
	µU/ml = mIU/l	0.106	0.085	0.127	Mindray CL-2000i
µU/ml = mIU/l	0.062	0.050	0.074	Beckman Dxl 600/800 Access (3rd IS)	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Thyroid Stimulating Hormone 促甲状腺素	µU/ml = mIU/l	0.115	0.092	0.138	Diasorin Liaison XL
	µU/ml = mIU/l	0.072	0.058	0.086	Siemens Atellica IM
	µU/ml = mIU/l	0.067	0.054	0.080	Abbott Alinity i
	µU/ml = mIU/l	0.093	0.074	0.112	Roche Cobas e402/e801
Tobramycin 妥布霉素	µmol/l	4.17	3.34	5.00	Gravimetric
	µg/ml	1.95	1.56	2.34	
Total Beta hCG 总 β-hCG	mU/ml=IU/l	11.2	8.96	13.4	Abbott Architect
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	6.06	4.85	7.27	BioMerieux Vidas
	IU/ml	0.006	0.005	0.007	
	mU/ml=IU/l	11.0	8.80	13.2	Siemens Centaur XP/XPT/Classic
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	9.08	7.26	10.9	Siemens Dimension
	IU/ml	0.009	0.007	0.011	
	mU/ml=IU/l	20.4	16.3	24.5	Siemens Immulite 2000
	IU/ml	0.020	0.016	0.024	
	mU/ml=IU/l	18.3	14.6	22.0	Siemens Immulite 1000
	IU/ml	0.018	0.015	0.021	
	mU/ml=IU/l	16.0	12.8	19.2	Beckman Dxl800
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	9.73	7.78	11.7	Diasorin Liaison
	IU/ml	0.010	0.008	0.012	
	mU/ml=IU/l	11.0	8.80	13.2	Roche Cobas Core EIA
	IU/ml	0.011	0.009	0.013	
	mU/ml=IU/l	15.7	12.6	18.8	Beckman Access
	IU/ml	0.016	0.013	0.019	
	mU/ml=IU/l	12.3	9.84	14.8	Tosoh Series
	IU/ml	0.012	0.010	0.014	
	mU/ml=IU/l	9.74	7.79	11.7	Vitros ECI
	IU/ml	0.010	0.008	0.012	
	mU/ml=IU/l	4.86	3.89	5.83	Roche hCG STAT (Intact)
	IU/ml	0.005	0.004	0.006	
	mU/ml=IU/l	11.1	8.88	13.3	Roche hCG+Beta
	IU/ml	0.011	0.009	0.013	
mU/ml=IU/l	15.5	12.4	18.6	Beckman Access Total BhCG (5th IS)	
IU/ml	0.016	0.012	0.020		
mU/ml=IU/l	16.2	13.0	19.4	Beckman Dxl Total BhCG (5th IS)	
IU/ml	0.016	0.013	0.019		
mU/ml=IU/l	9.57	7.66	11.5	Siemens Centaur CP	
IU/ml	0.010	0.008	0.012		
mU/ml=IU/l	10.8	8.64	13.0	Diasorin Liaison XL	
IU/ml	0.011	0.009	0.013		
mU/ml=IU/l	9.83	7.86	11.8	Siemens Atellica IM	
IU/ml	0.010	0.008	0.012		
mU/ml=IU/l	11.4	9.12	13.7	Abbott Alinity i	
IU/ml	0.011	0.009	0.013		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total Beta hCG	mU/ml=IU/l	11.2	8.96	13.4	Roche hCG+Beta e801
	IU/ml	0.011	0.009	0.013	
总 β-hCG	mU/ml=IU/l	15.3	12.2	18.4	Tosoh AIA-CL Series
	IU/ml	0.015	0.012	0.018	
Total T3	nmol/l	0.795	0.596	0.994	Abbott Architect
	ng/ml	0.518	0.388	0.648	
总 T3	ng/dl	51.8	38.8	64.8	BioMerieux Vidas
	nmol/l	0.634	0.476	0.793	
	ng/ml	0.413	0.310	0.516	Siemens Centaur XP/XPT/Classic
	ng/dl	41.3	31.0	51.6	
	nmol/l	0.734	0.551	0.918	Siemens Immulite 2000/2500
	ng/ml	0.478	0.359	0.597	
	ng/dl	47.8	35.9	59.7	Siemens Immulite 1000
	nmol/l	0.620	0.465	0.775	
	ng/ml	0.404	0.303	0.505	Beckman Dxl800
	ng/dl	40.4	30.3	50.5	
	nmol/l	0.635	0.476	0.794	Roche Elecsys
	ng/ml	0.413	0.310	0.516	
	ng/dl	41.3	31.0	51.6	Beckman Access
	nmol/l	1.08	0.810	1.35	
	ng/ml	0.703	0.527	0.879	Tosoh Series
	ng/dl	70.3	52.7	87.9	
	nmol/l	1.44	1.08	1.80	Vitros ECI
	ng/ml	0.937	0.703	1.17	
	ng/dl	93.7	70.3	117	CIS RIA Coated tube
	nmol/l	1.11	0.833	1.39	
	ng/ml	0.723	0.542	0.904	Roche Cobas 4000/E411
	ng/dl	72.3	54.2	90.4	
	nmol/l	0.746	0.560	0.933	Immunotech RIA
	ng/ml	0.486	0.365	0.607	
	ng/dl	48.6	36.5	60.7	Roche Cobas e601/602
	nmol/l	0.979	0.734	1.22	
	ng/ml	0.637	0.478	0.796	
	ng/dl	63.7	47.8	79.6	
	nmol/l	0.538	0.404	0.673	
	ng/ml	0.350	0.263	0.437	
	ng/dl	35.0	26.3	43.7	
	nmol/l	1.37	1.03	1.71	
	ng/ml	0.892	0.671	1.11	
	ng/dl	89.2	67.1	111	
	nmol/l	0.739	0.554	0.924	
	ng/ml	0.481	0.361	0.601	
	ng/dl	48.1	36.1	60.1	
	nmol/l	1.34	1.01	1.68	
	ng/ml	0.872	0.658	1.09	
	ng/dl	87.2	65.8	109	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

		Range			
Analyte	unit	Target	low	high	methods
Total T3 总 T3	nmol/l	0.782	0.587	0.978	Mindray CL Series
	ng/ml	0.509	0.382	0.636	
	ng/dl	50.9	38.2	63.6	
	nmol/l	0.986	0.740	1.23	Diasorin Liaison XL
	ng/ml	0.642	0.482	0.802	
	ng/dl	64.2	48.2	80.2	
	nmol/l	0.804	0.603	1.01	Abbott Alinity i
	ng/ml	0.523	0.393	0.653	
	ng/dl	52.3	39.3	65.3	
	nmol/l	0.799	0.599	0.999	Siemens Atellica IM
	ng/ml	0.520	0.390	0.650	
	ng/dl	52.0	39.0	65.0	
nmol/l	1.28	0.960	1.60	Roche Cobas e402/e801	
ng/ml	0.833	0.625	1.04		
ng/dl	83.3	62.5	104		
nmol/l	0.728	0.546	0.910	Tosoh AIA-CL Series	
ng/ml	0.474	0.355	0.593		
ng/dl	47.4	35.5	59.3		
Total T4 总 T4	nmol/l	34.9	26.2	43.6	Abbott Architect
	µg/dl	2.72	2.04	3.40	
	ng/ml	27.2	20.4	34.0	
	nmol/l	34.8	26.1	43.5	BioMerieux Vidas
	µg/dl	2.71	2.04	3.38	
	ng/ml	27.1	20.4	33.8	
	nmol/l	24.9	18.7	31.1	Siemens Centaur XP/XPT/Classic
	µg/dl	1.94	1.46	2.42	
	ng/ml	19.4	14.6	24.2	
	nmol/l	24.6	18.5	30.8	Siemens Immulite 2000/2500
	µg/dl	1.92	1.44	2.40	
	ng/ml	19.2	14.4	24.0	
	nmol/l	28.0	21.0	35.0	Siemens Immulite 1000
	µg/dl	2.18	1.64	2.72	
	ng/ml	21.8	16.4	27.2	
	nmol/l	26.0	19.5	32.5	Beckman Dxl800
	µg/dl	2.03	1.52	2.54	
	ng/ml	20.3	15.2	25.4	
	nmol/l	38.7	29.0	48.4	Roche Elecsys
	µg/dl	3.02	2.26	3.78	
	ng/ml	30.2	22.6	37.8	
	nmol/l	29.1	21.8	36.4	Beckman Access
	µg/dl	2.27	1.70	2.84	
	ng/ml	22.7	17.0	28.4	
nmol/l	28.0	21.0	35.0	Tosoh Series	
µg/dl	2.18	1.64	2.72		
ng/ml	21.8	16.4	27.2		
nmol/l	26.2	19.7	32.8	Vitros Eci	
µg/dl	2.04	1.54	2.54		
ng/ml	20.4	15.4	25.4		

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Total T4	nmol/l	30.4	22.8	38.0	CIS RIA Coated tube
	µg/dl	2.37	1.78	2.96	
ng/ml	23.7	17.8	29.6		
总 T4	nmol/l	38.8	29.1	48.5	Roche Cobas 4000/E411
	µg/dl	3.03	2.27	3.79	
	ng/ml	30.3	22.7	37.9	
	nmol/l	36.0	27.0	45.0	Roche Cobas e601/602
	µg/dl	2.81	2.11	3.51	
	ng/ml	28.1	21.1	35.1	
	nmol/l	33.0	24.8	41.3	Immunotech IRMA
	µg/dl	2.57	1.93	3.21	
	ng/ml	25.7	19.3	32.1	
	nmol/l	26.8	20.1	33.5	Siemens Centaur CP
	µg/dl	2.09	1.57	2.61	
	ng/ml	20.9	15.7	26.1	
	nmol/l	28.6	21.5	35.8	Mindray CL Series
	µg/dl	2.23	1.68	2.78	
	ng/ml	22.3	16.8	27.8	
	nmol/l	37.2	27.9	46.5	Diasorin Liaison XL
	µg/dl	2.90	2.18	3.62	
	ng/ml	29.0	21.8	36.2	
	nmol/l	32.0	24.0	40.0	Abbott Alinity i
	µg/dl	2.50	1.87	3.13	
	ng/ml	25.0	18.7	31.3	
	nmol/l	29.7	22.3	37.1	Siemens Atellica IM
	µg/dl	2.32	1.74	2.90	
	ng/ml	23.2	17.4	29.0	
	nmol/l	35.4	26.6	44.3	Roche Cobas e402/e801
	µg/dl	2.76	2.07	3.45	
	ng/ml	27.6	20.7	34.5	
	nmol/l	34.9	26.2	43.6	Tosoh AIA-CL Series
	µg/dl	2.72	2.04	3.40	
	ng/ml	27.2	20.4	34.0	
Valproic Acid	µmol/l	201	161	241	Abbott Architect (CMIA)
	µg/ml	29.0	23.2	34.8	
丙戊酸	µmol/l	225	180	270	Siemens Centaur XP/XPT/Classic
	µg/ml	32.5	26.0	39.0	
	µmol/l	200	160	240	Siemens Dimension
	µg/ml	28.9	23.1	34.7	
	µmol/l	185	148	222	Siemens Immulite 2000/2500
	µg/ml	26.7	21.4	32.0	
	µmol/l	196	157	235	Roche Integra
µg/ml	28.3	22.7	33.9		
	µmol/l	190	152	228	Vitros
	µg/ml	27.4	21.9	32.9	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Valproic Acid 丙戊酸	µmol/l	197	158	236	Roche Cobas 4000/c311
	µg/ml	28.4	22.8	34.0	
	µmol/l	200	160	240	Roche Cobas 6000/8000
	µg/ml	28.9	23.1	34.7	
	µmol/l	208	166	250	Beckman AU400/600/640/2700/5400
	µg/ml	30.0	24.0	36.0	
	µmol/l	174	139	209	Abbott Architect (PETINA)
	µg/ml	25.1	20.1	30.1	
	µmol/l	218	174	262	EMIT
	µg/ml	31.5	25.1	37.9	
	µmol/l	209	167	251	Siemens Atellica CH
	µg/ml	30.2	24.1	36.3	
	µmol/l	181	145	217	Abbott Alinity (CMIA)
	µg/ml	26.1	20.9	31.3	
	µmol/l	175	140	210	Abbott Alinity (PETINA)
	µg/ml	25.3	20.2	30.4	
µmol/l	243	194	292	Gravimetric	
µg/ml	35.1	28.0	42.1		
Vancomycin 万古霉素	µmol/l	3.17	2.54	3.80	Roche Integra
	µg/ml	4.71	3.77	5.65	
	µmol/l	3.62	2.90	4.34	Ortho Vitros Microslide Systems
	µg/ml	5.38	4.31	6.45	
	µmol/l	3.63	2.90	4.36	Abbott Architect (CMIA)
	µg/ml	5.39	4.31	6.47	
	µmol/l	2.72	2.18	3.26	Siemens Centaur XP/XPT/Classic
	µg/ml	4.04	3.24	4.84	
	µmol/l	3.49	2.79	4.19	Siemens Dimension
	µg/ml	5.19	4.15	6.23	
	µmol/l	3.40	2.72	4.08	Roche Cobas 6000/8000
	µg/ml	5.05	4.04	6.06	
	µmol/l	3.28	2.62	3.94	Thermo Scientific QMS Vancomycin
	µg/ml	4.87	3.89	5.85	
	µmol/l	3.75	3.00	4.50	Abbott Architect (PETINA)
	µg/ml	5.57	4.46	6.68	
	µmol/l	3.48	2.78	4.18	Siemens Atellica CH
	µg/ml	5.17	4.13	6.21	
µmol/l	3.53	2.82	4.24	Abbott Alinity (CMIA)	
µg/ml	5.24	4.19	6.29		
µmol/l	3.64	2.91	4.37	Abbott Alinity (PETINA)	
µg/ml	5.41	4.32	6.50		
µmol/l	3.43	2.74	4.12	Gravimetric	
µg/ml	5.10	4.07	6.12		
Vitamin B12 维生素 B12	pmol/l	154	123	185	Abbott Architect
	pg/ml	209	167	251	
	pmol/l	142	114	170	Siemens Centaur XP/XPT/Classic
	pg/ml	192	154	230	

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IMMUNOASSAY PREMIUM PLUS LEVEL 1 (IA PREMIUM PLUS 1)

Cat. No. IA3109 / IA3112 Lot. No. 2105EC Size 12 x 5ml / 4 x 5ml Expiry 2024-12-28

Range					
Analyte	unit	Target	low	high	methods
Vitamin B12	pmol/l	111	88.8	133	Siemens Immulite 2000
	pg/ml	150	120	180	
维生素 B12	pmol/l	98.9	79.1	119	Beckman Dxl800
	pg/ml	134	107	161	
	pmol/l	171	137	205	Roche Elecsys
	pg/ml	232	186	278	
	pmol/l	105	84.0	126	Beckman Access
	pg/ml	142	114	170	
	pmol/l	156	125	187	Tosoh Series
	pg/ml	211	169	253	
	pmol/l	156	125	187	Vitros ECI
	pg/ml	211	169	253	
	pmol/l	130	104	156	Siemens Dimension
	pg/ml	176	141	211	
	pmol/l	135	108	162	Siemens Centaur CP
	pg/ml	183	146	220	
	pmol/l	175	140	210	Roche Cobas 4000/e411 Gen II
	pg/ml	237	190	284	
	pmol/l	167	134	200	Roche Cobas e601/602 Gen II
	pg/ml	226	182	270	
	pmol/l	179	143	215	Mindray CL Series
	pg/ml	243	194	292	
pmol/l	112	89.6	134	Diasorin Liaison XL	
pg/ml	152	121	183		
pmol/l	159	127	191	Siemens Atellica IM	
pg/ml	215	172	258		
pmol/l	211	169	253	Abbott Alinity i	
pg/ml	286	229	343		
pmol/l	156	125	187	Roche Cobas e801 Gen II	
pg/ml	211	169	253		