

【英文名称】: ASSAYED HUMAN SERA LEVEL 3 (HUM ASY CONTROL 3)

【中文名称】: 质控血清（水平3）

【货号】 (CAT. NUMBER): HE1532
【包装规格】 (SIZE): 20 x 5 mL

【批号】 (LOT NUMBER): I426UE
【到期】 (EXPIRY): 2028-09-28

本产品的准备和使用详见试剂盒内说明书。

Full instructions for the use and preparation of this product are included with the kit.

质控品靶值和范围如下所示。

Target values and ranges are listed below.

ZH: Rev. 26 Nov '25 me

Abbott Alinity c			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Albumin	白蛋白	g/dl	2.91	2.47	3.35	0.220	0.440	Abbott Alinity 白蛋白 溴甲酚绿 2	Abbott Alinity Albumin BCG 2	
		g/l	29.1	24.7	33.5	2.20	4.40			
		g/dl	2.75	2.34	3.16	0.205	0.410	Abbott Alinity 白蛋白 溴甲酚紫 2	Abbott Alinity Albumin BCP 2	
		g/l	27.5	23.4	31.6	2.05	4.10			
		g/dl	2.90	2.47	3.33	0.215	0.430	溴甲酚绿	Bromocresol Green	
		g/l	29.0	24.7	33.3	2.15	4.30			
		g/dl	2.77	2.35	3.19	0.210	0.420	溴甲酚紫	Bromocresol Purple	
		g/l	27.7	23.5	31.9	2.10	4.20			
Alkaline Phosphatase	碱性磷酸酶	U/l	346	294	398	26.0	52.0	Abbott Alinity 碱性磷酸酶 2	Abbott Alinity Alkaline Phosphatase 2	
		U/l	346	294	398	26.0	52.0	非推荐AMP	AMP non-optimised	
		U/l	345	293	397	26.0	52.0	IFCC推荐AMP	AMP optimised to IFCC	
		U/l	349	297	401	26.0	52.0	比色法	Colorimetric	
		U/l	346	294	398	26.0	52.0	其他 AMP	Other AMP kits	
ALT (GPT)	丙氨酸氨基转移酶	U/l	134	107	161	13.5	27.0	Abbott Alinity 丙氨酸氨基转移酶 2	Abbott Alinity ALT 2	
		U/l	152	122	182	15.0	30.0	Tris缓冲液 (含PSP)	Tris Buffer With PSP	
		U/l	136	109	163	13.5	27.0	Tris缓冲液 (不含PSP)	Tris Buffer Without PSP	
Amylase Pancreatic	胰淀粉酶	U/l	216	184	248	16.0	32.0	免疫抑制EPS底物法	Immunoinhibition, EPS substrate	
Amylase Total	淀粉酶	U/l	266	226	306	20.0	40.0	Abbott Alinity 淀粉酶 2	Abbott Alinity Amylase 2	
		U/l	267	227	307	20.0	40.0	Abbott Architect / Alinity cal factor 3431	Abbott Architect/Alinity cal factor 3431	
		U/l	272	231	313	20.5	41.0	Abbott Architect / Alinity cal factor 3806	Abbott Architect/Alinity cal factor 3806	
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	141	113	169	14.0	28.0	Abbott Alinity 谷草转氨酶 2	Abbott Alinity AST 2	
		U/l	158	126	190	16.0	32.0	Tris缓冲液 (含PSP)	Tris Buffer With PSP	
		U/l	142	114	170	14.0	28.0	Tris缓冲液 (不含PSP)	Tris Buffer Without PSP	
Bicarbonate	碳酸氢盐	mmol/l	12.1	9.60	14.6	1.25	2.50	酶法	Enzymatic	
		mmol/l	12.5	9.91	15.1	1.30	2.60	PEP羧化酶	PEP Carboxylase	
Bile Acids	胆汁酸	μmol/l	45.1	36.1	54.1	4.50	9.00	酶比色法	Enzymatic Colorimetric	
Bilirubin Direct	直接胆红素	mg/dl	1.62	1.28	1.96	0.170	0.340	重氮与二氯苯胺	Diazo with Dichloroaniline	
		μmol/l	27.7	21.9	33.5	2.90	5.80			
		mg/dl	1.61	1.27	1.95	0.170	0.340	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid	
		μmol/l	27.6	21.8	33.4	2.90	5.80			
		mg/dl	1.58	1.25	1.91	0.165	0.330	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium	
		μmol/l	27.0	21.3	32.7	2.85	5.70			

Abbott Alinity c			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Bilirubin Total	总胆红素	mg/dl	4.76	3.76	5.76	0.500	1.00	Abbott Alinity / Architect	Abbott Alin/Arch cal batch no >97447/8/9
		μmol/l	81.4	64.3	98.5	8.55	17.1	cal batch no >97447/8/9	
		mg/dl	4.83	3.82	5.84	0.505	1.01	Abbott Alinity 总胆红素 2	Abbott Alinity Total Bilirubin 2
		μmol/l	82.5	65.2	99.8	8.65	17.3		
Bilirubin Total	总胆红素	mg/dl	4.80	3.79	5.81	0.505	1.01	重氮与二氯苯胺	Diazo With Dichloroaniline
		μmol/l	82.1	64.9	99.3	8.60	17.2		
		mg/dl	4.72	3.73	5.71	0.495	0.990	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid
		μmol/l	80.6	63.7	97.5	8.45	16.9		
Bilirubin Total	总胆红素	mg/dl	4.76	3.76	5.76	0.500	1.00	重氮离子法	Diazonium Ion
		μmol/l	81.3	64.2	98.4	8.55	17.1		
		mg/dl	4.79	3.78	5.80	0.505	1.01	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium
		μmol/l	81.9	64.7	99.1	8.60	17.2		
Calcium	钙	mg/dl	11.9	10.7	13.1	0.600	1.20	偶氮砷III法	Arsenazo III
		mmol/l	2.97	2.67	3.27	0.150	0.300		
		mg/dl	11.4	10.3	12.5	0.550	1.10	甲酚酞络合剂比色法	Cresolphthalein Complexone
		mmol/l	2.85	2.57	3.13	0.140	0.280		
Chloride	氯	mmol/l	113	104	122	4.50	9.00	离子选择性电极-直接法	ISE Direct
		mmol/l	114	105	123	4.50	9.00	离子选择性电极-间接法	ISE Indirect
Cholesterol	胆固醇	mg/dl	283	246	320	18.5	37.0	Abbott Alinity 胆固醇 2	Abbott Alinity Cholesterol 2
		mmol/l	7.34	6.39	8.29	0.475	0.950		
		mg/dl	283	246	320	18.5	37.0	胆固醇氧化酶 - Abell Kendall	Cholesterol Oxidase - Abell Kendall
		mmol/l	7.34	6.39	8.29	0.475	0.950		
		mg/dl	285	248	322	18.5	37.0	胆固醇氧化酶 - IDMS	Cholesterol Oxidase - IDMS
Cholinesterase	胆碱脂酶	U/l	6390	5112	7668	639	1278	硫代丁酰胆碱比色法	Colorimetric - Butyrylthiocholine
		U/l	558	458	658	50.0	100	Abbott CK-NAC (IFCC)	Abbott CK-NAC (IFCC)
CK Total	肌酸激酶 (总)	U/l	565	463	667	51.0	102	肌酸激酶-NAC (IFCC)	CK-NAC (IFCC)
		U/l	555	455	655	50.0	100	肌酸激酶-NAC 样本启动 (DGKC)	CK-NAC serum start (DGKC)
		U/l	563	462	664	50.5	101	肌酸激酶-NAC 底物启动 (DGKC)	CK-NAC substrate start (DGKC)

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包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Creatinine	肌酐	mg/dl	4.31	3.45	5.17	0.430	0.860	Abbott Alinity 肌酐 2	Abbott Alinity Creatinine 2	
		μmol/l	381	305	457	38.0	76.0			
		mg/dl	4.32	3.46	5.18	0.430	0.860	碱性苦味酸盐法 (未去蛋白)	Alkaline picrate no deproteinisation	
		μmol/l	382	306	458	38.0	76.0			
		mg/dl	4.34	3.47	5.21	0.435	0.870	酶法	Enzymatic	
		μmol/l	384	307	461	38.5	77.0			
		mg/dl	4.32	3.46	5.18	0.430	0.860	可追溯至同位素稀释质谱法 (IDMS)	IDMS Traceable	
		μmol/l	382	306	458	38.0	76.0			
D-3-Hydroxybutyrate	D-3-羟基丁酸	mmol/l	1.20	1.02	1.38	0.090	0.180	Tris缓冲液100mmol, pH 8.5	Tris buffer 100mmol pH 8.5	
gamma-GT	谷氨酰转移酶 (GGT)	U/l	166	141	191	12.5	25.0	Abbott Alinity 谷氨酰转移酶 2	Abbott Alinity GGT 2	
		U/l	166	141	191	12.5	25.0	γ-谷氨酰-3-羧基-4-硝基苯胺	Gamma glut.-3-carb.-4-nitro.	
		U/l	165	140	190	12.5	25.0	DCL γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC)	Gamma glut'3-carb'4-nitro(IFCC)	
Glucose	葡萄糖	mg/dl	274	233	315	20.5	41.0	葡萄糖脱氢酶法	Glucose Dehydrogenase	
		mmol/l	15.2	12.9	17.5	1.15	2.30			
		mg/dl	274	233	315	20.5	41.0	葡萄糖氧化酶法	Glucose Oxidase	
		mmol/l	15.2	12.9	17.5	1.15	2.30			
Glucose	葡萄糖	mg/dl	276	235	317	20.5	41.0	己糖激酶法	Hexokinase	
		mmol/l	15.3	13.0	17.6	1.15	2.30			
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	88.0	74.8	101	6.50	13.0	直接清除法	Direct HDL, Clearance method	
		mmol/l	2.28	1.94	2.62	0.170	0.340			
		mg/dl	89.6	76.2	103	6.70	13.4	直接高密度脂蛋白免疫分离法	Direct HDL, Immunoseparation	
		mmol/l	2.32	1.97	2.67	0.175	0.350			
		mg/dl	88.4	75.1	102	6.80	13.6	直接高密度脂蛋白PPD法	Direct HDL, PPD	
		mmol/l	2.29	1.95	2.63	0.170	0.340			
		mg/dl	88.0	74.8	101	6.50	13.0	高密度脂蛋白胆固醇测定试剂盒 (均相测定法)	HDL Ultra/Accel Selective Detergent	
		mmol/l	2.28	1.94	2.62	0.170	0.340			
Iron	铁	μg/dl	232	190	274	21.0	42.0	Abbott Alinity 铁 2	Abbott Alinity Iron 2	
		μmol/l	41.5	34.0	49.0	3.75	7.50			
		μg/dl	233	191	275	21.0	42.0	比色法 (含ppt.)	Colorimetric with ppt.	
		μmol/l	41.6	34.1	49.1	3.75	7.50			
		μg/dl	233	191	275	21.0	42.0	比色法 (不含ppt.)	Colorimetric without ppt.	
		μmol/l	41.7	34.2	49.2	3.75	7.50			

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包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Lactate	乳酸	mg/dl	50.9	41.7	60.1	4.60	9.20	乳酸氧化酶比色法	Colorimetric - Lactate oxidase	
		mmol/l	5.65	4.63	6.67	0.510	1.02			
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	334	284	384	25.0	50.0	Abbott Alinity 乳酸脱氢酶 2	Abbott Alinity LD 2	
		U/l	334	284	384	25.0	50.0	L->P, (IFCC)	L to P, IFCC	
		U/l	335	285	385	25.0	50.0	L->P	Lactate to Pyruvate methods	
Lipase	脂肪酶	U/l	79	63	95	8.00	16.0	其他比色法	Other Colorimetric	
Lithium	锂	mg/dl	1.38	1.21	1.55	0.085	0.170	分光光度法	Spectrophotometric	
		mmol/l	1.99	1.75	2.23	0.120	0.240			
Magnesium	镁	mg/dl	4.28	3.77	4.79	0.255	0.510	偶氮砷III法	Arsenazo III	
		mmol/l	1.76	1.55	1.97	0.105	0.210			
		mg/dl	4.28	3.77	4.79	0.255	0.510	偶氮氯膦III法	Chlorphosphonazo III	
		mmol/l	1.76	1.55	1.97	0.105	0.210			
		mg/dl	4.37	3.85	4.89	0.260	0.520	酶法	Enzymatic	
		mmol/l	1.80	1.58	2.02	0.110	0.220			
		mg/dl	4.33	3.81	4.85	0.260	0.520	二甲苯胺蓝法	Xylidyl Blue	
		mmol/l	1.78	1.57	1.99	0.105	0.210			
Osmolality	摩尔渗透压浓度	mOsm/ Kg	359	287	431	36.0	72.0	计算	Calculated	
Phosphate Inorganic	无机磷	mg/dl	6.97	5.92	8.02	0.525	1.05	磷钼酸盐酶法	Phosphomolybdate Enzymatic	
		mmol/l	2.25	1.91	2.59	0.170	0.340			
		mg/dl	7.04	5.98	8.10	0.530	1.06	磷钼酸盐紫外线法	Phosphomolybdate UV	
		mmol/l	2.27	1.93	2.61	0.170	0.340			
Potassium	钾	mmol/l	6.09	5.60	6.58	0.245	0.490	离子选择性电极-直接法	ISE method - direct	
Potassium	钾	mmol/l	6.11	5.62	6.60	0.245	0.490	离子选择性电极-间接法	ISE method - indirect	
Protein Total	总蛋白	g/dl	4.74	3.79	5.69	0.475	0.950	Abbott Alinity 总蛋白 2	Abbott Alinity Total Protein 2	
		g/l	47.4	37.9	56.9	4.75	9.50			
		g/dl	4.75	3.80	5.70	0.475	0.950	双缩脲反应终点法	Biuret reaction, end point	
		g/l	47.5	38.0	57.0	4.75	9.50			
PSA Total	总前列腺特异抗原 (tPSA)	ng/ml = µg/l	17.5	13.1	21.9	2.20	4.40	Abbott Architect / Alinity	Abbott Architect/ Alinity	
Sodium	钠	mmol/l	157	149	165	4.00	8.00	离子选择性电极-直接法	ISE method - direct	
		mmol/l	158	150	166	4.00	8.00	离子选择性电极-间接法	ISE method - indirect	
Thyroid Stimulating Hormone	促甲状腺激素	µU/ml = mIU/l	0.953	0.762	1.14	0.094	0.187	Abbott Architect	Abbott Architect	

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包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
TIBC	总铁结合力(TIBC)	µg/dl	214	169	259	22.5	45.0	由转铁蛋白计算	Calculated from Transferrin
		µmol/l	38.3	30.3	46.3	4.00	8.00		
		µg/dl	250	198	302	26.0	52.0	FE+UIBC (含铁饱和)	FE+UIBC(saturation with iron)
		µmol/l	44.8	35.4	54.2	4.70	9.40		
Triglycerides	甘油三酸酯	mg/dl	251	211	291	20.0	40.0	Abbott Alinity i	Abbott Alinity i
		mmol/l	2.84	2.39	3.29	0.225	0.450		
		mg/dl	253	213	293	20.0	40.0	脂肪酶/GK UV (无校正)	Lipase/GK UV, no correction
		mmol/l	2.86	2.40	3.32	0.230	0.460		
		mg/dl	250	210	290	20.0	40.0	脂肪酶/甘油脱氢酶	Lipase/Glycerol Dehydrogenase
		mmol/l	2.83	2.38	3.28	0.225	0.450		
		mg/dl	251	211	291	20.0	40.0	脂肪酶/GPO-PAP (无校正)	Lipase/GPO-PAP No Correction
		mmol/l	2.84	2.39	3.29	0.225	0.450		
Urea	尿素	mg/dl	125	106	144	9.50	19.0	Abbott Architect 尿素氮 2	Abbott Architect Urea Nitrogen 2
		mg/dl (BUN)	58.2	49.5	66.9	4.35	8.70		
		mmol/l	20.8	17.7	23.9	1.55	3.10		
		mg/dl	125	106	144	9.50	19.0	脲酶终点法	Urease, end point
		mg/dl (BUN)	58.2	49.5	66.9	4.35	8.70		
		mmol/l	20.8	17.7	23.9	1.55	3.10		
		mg/dl	127	108	146	9.50	19.0	脲酶动力学法	Urease, kinetic
		mg/dl (BUN)	59.1	50.2	68.0	4.45	8.90		
		mmol/l	21.1	17.9	24.3	1.60	3.20		
Uric Acid (Urate)	尿酸	mg/dl	9.06	7.88	10.2	0.570	1.14	Abbott Alinity 尿酸 2	Abbott Alinity Uric Acid 2
		mmol/l	0.539	0.469	0.609	0.035	0.070		
Uric Acid (Urate)	尿酸	mg/dl	9.09	7.91	10.3	0.605	1.21	尿酸酶过氧化物酶比色法 (不含抗坏血酸氧化酶)	Uricase perox. no ascorb. ox.
		mmol/l	0.541	0.471	0.611	0.035	0.070		
		mg/dl	9.09	7.91	10.3	0.605	1.21	尿酸酶过氧化物酶比色法 (含抗坏血酸氧化酶)	Uricase Perox. with ascorb. ox
		mmol/l	0.541	0.471	0.611	0.035	0.070		

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
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Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Albumin	白蛋白	g/dl	2.95	2.51	3.39	0.220	0.440	溴甲酚绿	Bromocresol Green
		g/l	29.5	25.1	33.9	2.20	4.40		
		g/dl	2.94	2.50	3.38	0.220	0.440	溴甲酚紫	Bromocresol Purple
		g/l	29.4	25.0	33.8	2.20	4.40		
		g/dl	2.99	2.54	3.44	0.225	0.450	散射比浊法	Nephelometric Assays
		g/l	29.9	25.4	34.4	2.25	4.50		
Alkaline Phosphatase	碱性磷酸酶	U/l	361	307	415	27.0	54.0	非推荐AMP	AMP non-optimised
		U/l	369	314	424	27.5	55.0	IFCC推荐AMP	AMP optimised to IFCC
		U/l	373	317	429	28.0	56.0	Beckman AMP (校准)	Beckman AMP (Calibrator)
		U/l	333	283	383	25.0	50.0	Beckman AMP (消光系数)	Beckman AMP (Extinction Coeff)
ALT (GPT)	丙氨酸氨基转移酶	U/l	148	118	178	15.0	30.0	Agappe - IFCC	Agappe - IFCC
		U/l	127	102	152	12.5	25.0	Beckman (消光系数)	Beckman (Extinction Coefficient)
		U/l	153	122	184	15.5	31.0	Beckman IFCC 含P5P	Beckman IFCC Ref. with P5P
		U/l	152	122	182	15.0	30.0	Beckman 修改的IFCC参考方法 (不含P5P)	Beckman Mod. IFCC Ref. without P5P
		U/l	143	114	172	14.5	29.0	比色法	Colorimetric
		U/l	151	121	181	15.0	30.0	磷酸盐缓冲液 DGKC法	Phosphate buffer, DGKC
		U/l	155	124	186	15.5	31.0	Tris缓冲液 (含P5P)	Tris Buffer With P5P
		U/l	159	127	191	16.0	32.0	Tris缓冲液 (含P5P NVKC)	Tris buffer with P5P, NVKC
		U/l	155	124	186	15.5	31.0	Tris缓冲液 (不含P5P)	Tris Buffer Without P5P
		U/l	150	120	180	15.0	30.0	Tris缓冲液 (SCE)	Tris buffer, SCE
Amylase Pancreatic	胰淀粉酶	U/l	222	189	255	16.5	33.0	Beckman Synchron CX/LXi/DxC	Beckman Synchron CX/LXi/DxC
		U/l	210	179	241	15.5	31.0	免疫抑制EPS底物法	Immunoinhibition, EPS substrate
Amylase Total	淀粉酶	U/l	249	212	286	18.5	37.0	Agappe - CNPG3	Agappe - CNPG3
		U/l	248	211	285	18.5	37.0	淀粉分解法	Amylolytic Methods
		U/l	260	221	299	19.5	39.0	Beckman 阻断 PnpG7	Beckman blocked pNPG7
		U/l	257	218	296	19.5	39.0	Beckman CNPG3 消光系数)	Beckman CNPG3 (Extinction Coeff)
		U/l	255	217	293	19.0	38.0	Beckman CNPG3 (Master Cal)	Beckman CNPG3 (Master Cal)
		U/l	254	216	292	19.0	38.0	Beckman 麦芽四糖	Beckman maltotetraose
		U/l	263	224	302	19.5	39.0	Beckman Synchron AMY7	Beckman Synchron AMY7
		U/l	258	219	297	19.5	39.0	Human CNPG3 (IFCC)	Human CNPG3 (IFCC)
		U/l	267	227	307	20.0	40.0	对硝基苯麦芽三糖苷底物法	pNP Maltotrioside substrates
		U/l	257	218	296	19.5	39.0	Randox 液体亚乙基 pNPG7	Randox Liquid Ethylidene pNPG7
		U/l	249	212	286	18.5	37.0	Siemens/Dade Behring 2-氯-pNPG3	Siemens/Dade Behring 2-chloro-pNPG3

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	128	102	154	13.0	26.0	Agappe - IFCC	Agappe - IFCC	
		U/l	104	83	125	10.5	21.0	Beckman (消光系数)	Beckman (Extinction Coefficient)	
		U/l	138	110	166	14.0	28.0	Beckman IFCC 含P5P	Beckman IFCC Ref. with P5P	
		U/l	136	109	163	13.5	27.0	Beckman 修改的IFCC参考方法 (不含P5P)	Beckman Mod. IFCC Ref. without P5P	
		U/l	130	104	156	13.0	26.0	比色法	Colorimetric	
		U/l	129	103	155	13.0	26.0	磷酸盐缓冲液 DGKC法	Phosphate buffer, DGKC	
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	133	106	160	13.5	27.0	Tris缓冲液 (含P5P)	Tris Buffer With P5P	
		U/l	134	107	161	13.5	27.0	Tris缓冲液 (含P5P NVKC)	Tris buffer with P5P, NVKC	
		U/l	136	109	163	13.5	27.0	Tris缓冲液 (不含P5P)	Tris Buffer Without P5P	
		U/l	135	108	162	13.5	27.0	Tris缓冲液 (SCE)	Tris buffer, SCE	
Bicarbonate	碳酸氢盐	mmol/l	12.7	10.1	15.3	1.30	2.60	比色法	Colorimetric	
		mmol/l	14.2	11.3	17.1	1.45	2.90	酶法	Enzymatic	
		mmol/l	14.4	11.4	17.4	1.50	3.00	PEP羧化酶	PEP Carboxylase	
Bile Acids	胆汁酸	μmol/l	47.3	37.8	56.8	4.75	9.50	酶比色法	Enzymatic Colorimetric	
		μmol/l	47.5	38.0	57.0	4.75	9.50	酶比色法 - Sentinel	Enzymatic Colorimetric - Sentinel	
Bilirubin Direct	直接胆红素	mg/dl	1.30	1.03	1.57	0.135	0.270	Beckman DxC 重氮化对氨基苯磺酸法	Diazo/Sulphanilic Beckman DxC	
		μmol/l	22.3	17.6	27.0	2.35	4.70			
		mg/dl	1.32	1.04	1.60	0.140	0.280	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium	
		μmol/l	22.5	17.8	27.2	2.35	4.70			
		mg/dl	1.70	1.34	2.06	0.180	0.360	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate	
		μmol/l	29.1	23.0	35.2	3.05	6.10			
Bilirubin Total	总胆红素	mg/dl	5.18	4.09	6.27	0.545	1.09	重氮与二氯苯胺	Diazo With Dichloroaniline	
		μmol/l	88.5	69.9	107	9.25	18.5			
		mg/dl	5.16	4.08	6.24	0.540	1.08	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid	
		μmol/l	88.2	69.7	107	9.40	18.8			
		mg/dl	5.15	4.07	6.23	0.540	1.08	重氮离子法	Diazonium Ion	
		μmol/l	88.1	69.6	107	9.45	18.9			
		mg/dl	5.16	4.08	6.24	0.540	1.08	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium	
		μmol/l	88.2	69.7	107	9.40	18.8			
		mg/dl	5.08	4.01	6.15	0.535	1.07	DPD (Beckman AU)	DPD (Beckman AU)	
		μmol/l	86.8	68.6	105	9.10	18.2			
		mg/dl	5.61	4.43	6.79	0.590	1.18	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate	
		μmol/l	95.9	75.8	116	10.1	20.1			

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Calcium	钙	mg/dl	12.1	10.9	13.3	0.600	1.20	偶氮砷III法	Arsenazo III
		mmol/l	3.01	2.71	3.31	0.150	0.300		
		mg/dl	12.1	10.9	13.3	0.600	1.20	甲酚酞络合剂比色法	Cresolphthalein Complexone
		mmol/l	3.02	2.72	3.32	0.150	0.300		
		mg/dl	12.1	10.9	13.3	0.600	1.20	离子选择性电极法	Ion Selective Electrode
		mmol/l	3.02	2.72	3.32	0.150	0.300		
		mg/dl	12.1	10.9	13.3	0.600	1.20	NM-BAPTA	NM-BAPTA
		mmol/l	3.02	2.72	3.32	0.150	0.300		
Chloride	氯	mmol/l	111	102	120	4.50	9.00	离子选择性电极-直接法	ISE Direct
		mmol/l	111	102	120	4.50	9.00	离子选择性电极-间接法	ISE Indirect
Cholesterol	胆固醇	mg/dl	269	234	304	17.5	35.0	Agappe - CHOD-PAP	Agappe - CHOD-PAP
		mmol/l	6.96	6.06	7.86	0.450	0.900		
Cholesterol	胆固醇	mg/dl	286	249	323	18.5	37.0	胆固醇脱氢酶	Cholesterol Dehydrogenase
		mmol/l	7.40	6.44	8.36	0.480	0.960		
		mg/dl	289	251	327	19.0	38.0	胆固醇氧化酶 - Abell Kendall	Cholesterol Oxidase - Abell Kendall
		mmol/l	7.48	6.51	8.45	0.485	0.970		
		mg/dl	288	251	325	18.5	37.0	胆固醇氧化酶 - IDMS	Cholesterol Oxidase - IDMS
		mmol/l	7.45	6.48	8.42	0.485	0.970		
Cholinesterase	胆碱脂酶	U/l	5027	4022	6032	503	1005	硫代丁酰胆碱比色法	Colorimetric - Butyrylthiocholine
CK Total	肌酸激酶 (总)	U/l	581	476	686	52.5	105	Abbott CK-NAC (IFCC)	Abbott CK-NAC (IFCC)
		U/l	496	407	585	44.5	89.0	Beckman CK-NAC (消光系数)	Beckman CK-NAC (Extinction Coeff)
		U/l	573	470	676	51.5	103	Beckman CK-NAC (IFCC)	Beckman CK-NAC (IFCC)
		U/l	567	465	669	51.0	102	肌酸激酶-NAC (IFCC)	CK-NAC (IFCC)
		U/l	558	458	658	50.0	100	肌酸激酶-NAC 样本启动 (DGKC)	CK-NAC serum start (DGKC)
		U/l	537	440	634	48.5	97.0	肌酸激酶-NAC 底物启动 (DGKC)	CK-NAC substrate start (DGKC)
		U/l	547	449	645	49.0	98.0	磷酸肌酸 底物启动	Creatine Phosphate Substrate Start
		U/l	582	477	687	52.5	105	1-硫代甘油法	Monothioglycerol
Copper	铜	µg/dl	149	119	179	15.0	30.0	比色法	Colorimetric
		µmol/l	23.5	18.8	28.2	2.35	4.70		

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Creatinine	肌酐	mg/dl	4.03	3.22	4.84	0.405	0.810	碱性苦味酸盐法 (未去蛋白)	Alkaline picrate no deproteinisation	
		μmol/l	357	286	428	35.5	71.0			
		mg/dl	3.99	3.19	4.79	0.400	0.800	碱性苦味酸盐法 (去蛋白)	Alkaline Picrate With Deproteinisation	
		μmol/l	353	282	424	35.5	71.0			
		mg/dl	4.32	3.46	5.18	0.430	0.860	酶法	Enzymatic	
		μmol/l	382	306	458	38.0	76.0			
		mg/dl	4.19	3.35	5.03	0.420	0.840	可追溯至同位素稀释质谱法 (IDMS)	IDMS Traceable	
		μmol/l	371	297	445	37.0	74.0			
		mg/dl	3.94	3.15	4.73	0.395	0.790	抑制速率法	Jaffe Rate Blanked	
D-3-Hydroxybutyrate	D-3-羟基丁酸	μmol/l	349	279	419	35.0	70.0			
		mg/dl	3.94	3.15	4.73	0.395	0.790	竞争速率法(-26 μmol/l)	Jaffe rate blanked comp. (-26umol/l)	
		μmol/l	349	279	419	35.0	70.0			
		mg/dl	3.93	3.14	4.72	0.395	0.790	竞争速率法(-33 μmol/l)	Jaffe rate blanked comp. (-33umol/l)	
		μmol/l	348	278	418	35.0	70.0			
		mg/dl	4.10	3.28	4.92	0.410	0.820	代偿速率法(-18 umol/l)	Jaffe rate comp. (-18umol/l)	
		μmol/l	363	290	436	36.5	73.0			
		mmol/l	1.18	1.00	1.36	0.090	0.180	Tris缓冲液100mmol, pH 8.5	Tris buffer 100mmol pH 8.5	
gamma-GT	谷氨酰转移酶 (GGT)	U/l	147	125	169	11.0	22.0	Beckman Szasz (消光系数)	Beckman Szasz (Extinction Coeff.)	
		U/l	163	139	187	12.0	24.0	DCL γ-谷氨酰-3-羧基-4-硝基苯胺	DCL, gamma glut.-3-carb.-4-nitro.	
		U/l	155	132	178	11.5	23.0	γ-谷氨酰-3-羧基-4-硝基苯胺	Gamma glut.-3-carb.-4-nitro.	
		U/l	163	139	187	12.0	24.0	DCL γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC)	Gamma glut'3-carb'4-nitro(IFCC)	
		U/l	166	141	191	12.5	25.0	γ-谷氨酰-4-硝基苯胺	Gamma Glutamyl-4-Nitroanilide	
GLDH	谷氨酸脱氢酶 (GLDH)	U/l	24	19	29	2.50	5.00	三乙醇胺缓冲液	Triethanolamine buffer	
Glucose	葡萄糖	mg/dl	272	231	313	20.5	41.0	葡萄糖脱氢酶法	Glucose Dehydrogenase	
		mmol/l	15.1	12.8	17.4	1.15	2.30			
		mg/dl	277	235	319	21.0	42.0	葡萄糖氧化酶法	Glucose Oxidase	
		mmol/l	15.4	13.1	17.7	1.15	2.30			
		mg/dl	276	235	317	20.5	41.0	GOD/02-Beckman method	GOD/02-Beckman method	
		mmol/l	15.3	13.0	17.6	1.15	2.30			
		mg/dl	274	233	315	20.5	41.0	己糖激酶法	Hexokinase	
		mmol/l	15.2	12.9	17.5	1.15	2.30			

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE		货号 (Cat. No): HE1532	到期 (Expiry): 2028-09-28						
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	92.3	78.5	106	6.85	13.7	直接清除法	Direct HDL, Clearance method
		mmol/l	2.39	2.03	2.75	0.180	0.360		
		mg/dl	94.2	80.1	108	6.90	13.8	直接高密度脂蛋白免疫分离法	Direct HDL, Immunoseparation
		mmol/l	2.44	2.07	2.81	0.185	0.370		
		mg/dl	94.2	80.1	108	6.90	13.8	直接高密度脂蛋白PPD法	Direct HDL, PPD
		mmol/l	2.44	2.07	2.81	0.185	0.370		
		mg/dl	93.8	79.7	108	7.10	14.2	高密度脂蛋白胆固醇测定试剂盒 (均相测定法)	HDL Ultra/Accel Selective Detergent
mmol/l	2.43	2.07	2.79	0.180	0.360				
Iron	铁	µg/dl	225	185	265	20.0	40.0	比色法 (含ppt.)	Colorimetric with ppt.
		µmol/l	40.3	33.0	47.6	3.65	7.30		
		µg/dl	225	185	265	20.0	40.0	比色法 (不含ppt.)	Colorimetric without ppt.
		µmol/l	40.3	33.0	47.6	3.65	7.30		
		µg/dl	223	183	263	20.0	40.0	光学发射光谱法	Optical Emission Spectroscopy
		µmol/l	39.9	32.7	47.1	3.60	7.20		
Lactate	乳酸	mg/dl	48.3	39.6	57.0	4.35	8.70	乳酸氧化酶比色法	Colorimetric - Lactate oxidase
		mmol/l	5.36	4.40	6.32	0.480	0.960		
		mg/dl	48.7	39.9	57.5	4.40	8.80	酶电极法	Enzymatic Electrode
		mmol/l	5.41	4.44	6.38	0.485	0.970		
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	306	260	352	23.0	46.0	L至P贝克曼 (消光系数)	L to P Beckman (Extinction Coeff)
		U/l	334	284	384	25.0	50.0	L->P, (IFCC)	L to P, IFCC
		U/l	336	286	386	25.0	50.0	L->P	Lactate to Pyruvate methods
		U/l	724	615	833	54.5	109	P->L 斯堪的纳维亚和荷兰	P to L Scandinavian & Dutch
		U/l	725	616	834	54.5	109	P->L 德国方法	P to L German methods
		U/l	331	281	381	25.0	50.0	Pyruvate 1.4 mM - Beckman LD-P	Pyruvate 1.4 mM - Beckman LD-P
Lipase	脂肪酶	U/l	78	63	93	7.50	15.0	其他比色法	Other Colorimetric
Lithium		mg/dl	1.38	1.21	1.55	0.085	0.170	分光光度法	Spectrophotometric
		mmol/l	1.99	1.75	2.23	0.120	0.240		
Magnesium	镁	mg/dl	4.28	3.77	4.79	0.255	0.510	偶氮砷III法	Arsenazo III
		mmol/l	1.76	1.55	1.97	0.105	0.210		

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Magnesium	镁	mg/dl	4.23	3.72	4.74	0.255	0.510	钙镁指示剂比色法	Calmagite
		mmol/l	1.74	1.53	1.95	0.105	0.210		
		mg/dl	4.23	3.72	4.74	0.255	0.510	甲基百里酚蓝	Methylthymol Blue
		mmol/l	1.74	1.53	1.95	0.105	0.210		
		mg/dl	4.25	3.74	4.76	0.255	0.510	二甲苯胺蓝法	Xylidyl Blue
		mmol/l	1.75	1.54	1.96	0.105	0.210		
Osmolality	摩尔渗透压浓度	mOsm/ Kg	350	280	420	35.0	70.0	计算	Calculated
Phosphate Inorganic	无机磷	mg/dl	7.04	5.98	8.10	0.530	1.06	Beckman PHOSm kit (365nm)	Beckman PHOSm kit (365nm)
		mmol/l	2.27	1.93	2.61	0.170	0.340		
		mg/dl	6.94	5.90	7.98	0.520	1.04	磷钼酸盐酶法	Phosphomolybdate Enzymatic
		mmol/l	2.24	1.90	2.58	0.170	0.340		
		mg/dl	6.94	5.90	7.98	0.520	1.04	磷钼酸盐紫外线法	Phosphomolybdate UV
		mmol/l	2.24	1.90	2.58	0.170	0.340		
Potassium	钾	mmol/l	6.05	5.57	6.53	0.240	0.480	离子选择性电极-直接法	ISE method - direct
		mmol/l	6.06	5.58	6.54	0.240	0.480	离子选择性电极-间接法	ISE method - indirect
Protein Total	总蛋白	g/dl	4.56	3.65	5.47	0.455	0.910	双缩脲反应 CX4/5/7	Biuret reaction, CX4/5/7
		g/l	45.6	36.5	54.7	4.55	9.10		
		g/dl	4.58	3.66	5.50	0.460	0.920	双缩脲反应终点法	Biuret reaction, end point
		g/l	45.8	36.6	55.0	4.60	9.20		
		g/dl	4.62	3.70	5.54	0.460	0.920	双缩脲反应动力法	Biuret reaction, kinetic
		g/l	46.2	37.0	55.4	4.60	9.20		
Sodium	钠	mmol/l	158	150	166	4.00	8.00	离子选择性电极-直接法	ISE method - direct
		mmol/l	158	150	166	4.00	8.00	离子选择性电极-间接法	ISE method - indirect
TIBC	总铁结合力(TIBC)	μg/dl	226	179	273	23.5	47.0	由转铁蛋白计算	Calculated from Transferrin
		μmol/l	40.4	31.9	48.9	4.25	8.50		
		μg/dl	241	190	292	25.5	51.0	直接比色法	Direct Colorimetric
		μmol/l	43.2	34.1	52.3	4.55	9.10		
		μg/dl	244	193	295	25.5	51.0	FE+UIBC (含铁饱和)	FE+UIBC(saturation with iron)
		μmol/l	43.7	34.5	52.9	4.60	9.20		

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	1SD	2SD	方法	Method
Triglycerides	甘油三酸酯	mg/dl	265	223	307	21.0	42.0	脂肪酶/GK UV (无校正)	Lipase/GK UV, no correction
		mmol/l	2.99	2.51	3.47	0.240	0.480		
		mg/dl	256	215	297	20.5	41.0	脂肪酶/GK UV 0.11 mmol/l 校正	Lipase/GK UV, 0.11 mmol/l correction
		mmol/l	2.89	2.43	3.35	0.230	0.460		
		mg/dl	259	218	300	20.5	41.0	脂肪酶/甘油脱氢酶	Lipase/Glycerol Dehydrogenase
		mmol/l	2.93	2.46	3.40	0.235	0.470		
		mg/dl	259	218	300	20.5	41.0	脂肪酶/GPO-PAP (无校正)	Lipase/GPO-PAP No Correction
		mmol/l	2.93	2.46	3.40	0.235	0.470		
		mg/dl	254	213	295	20.5	41.0	脂肪酶/GPO-PAP 0.11 mmol/l 校正	Lipase/GPO-PAP, 0.11 mmol/l correction
		mmol/l	2.87	2.41	3.33	0.230	0.460		
Urea	尿素	mg/dl	126	107	145	9.50	19.0	贝克曼-电导率	Beckman - Conductivity
		mg/dl (BUN)	58.8	50.0	67.6	4.40	8.80		
		mmol/l	21.0	17.9	24.1	1.55	3.10		
		mg/dl	126	107	145	9.50	19.0	尿素酶次氯酸盐法	Urease - hypochlorite
		mg/dl (BUN)	58.8	50.0	67.6	4.40	8.80		
		mmol/l	21.0	17.9	24.1	1.55	3.10		
		mg/dl	126	107	145	9.50	19.0	脲酶终点法	Urease, end point
		mg/dl (BUN)	58.8	50.0	67.6	4.40	8.80		
		mmol/l	21.0	17.9	24.1	1.55	3.10		
		mg/dl	126	107	145	9.50	19.0	脲酶动力学法	Urease, kinetic
		mg/dl (BUN)	58.8	50.0	67.6	4.40	8.80		
		mmol/l	21.0	17.9	24.1	1.55	3.10		

Beckman Coulter AU Series			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Uric Acid (Urate)	尿酸	mg/dl	9.21	8.01	10.4	0.595	1.19	Beckman AU Non US calibrator (66300)	Beckman AU Non US calibrator (66300)	
		mmol/l	0.548	0.477	0.619	0.036	0.071			
		mg/dl	9.03	7.86	10.2	0.585	1.17	Beckman AU US calibrator (DR0070)	Beckman AU US calibrator (DR0070)	
		mmol/l	0.537	0.467	0.607	0.035	0.070			
		mg/dl	9.18	7.99	10.4	0.610	1.22	尿酸酶 293nm	Uricase @ 293 nm	
		mmol/l	0.546	0.475	0.617	0.036	0.071			
		mg/dl	9.16	7.97	10.4	0.620	1.24	尿酸酶过氧化物酶比色法 (不含抗坏血酸氧化酶)	Uricase perox. no ascorb. ox.	
		mmol/l	0.545	0.474	0.616	0.036	0.071			
		mg/dl	9.21	8.01	10.4	0.595	1.19	尿酸酶过氧化物酶比色法 (含抗坏血酸氧化酶)	Uricase Perox. with ascorb. ox	
		mmol/l	0.548	0.477	0.619	0.036	0.071			
		mg/dl	9.21	8.01	10.4	0.595	1.19	尿酸酶过氧化物酶比色法 (含抗坏血酸氧化酶) @546nm	Uricase Perox. with ascorb. ox @ 546nm	
		mmol/l	0.548	0.477	0.619	0.036	0.071			
		mg/dl	8.96	7.80	10.1	0.570	1.14	尿酸酶过氧化氢酶比色法340nm	Uricase, catalase 340nm.	
		mmol/l	0.533	0.464	0.602	0.035	0.069			
Zinc	锌	µg/dl	201	161	241	20.0	40.0	比色法 (去蛋白)	Colorimetric with deprot.	
		µmol/l	30.8	24.6	37.0	3.10	6.20			
		µg/dl	206	165	247	20.5	41.0	比色法 (未去蛋白)	Colorimetric without deprot.	
		µmol/l	31.5	25.2	37.8	3.15	6.30			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Albumin	白蛋白	g/dl	2.91	2.47	3.35	0.220	0.440	Abbott Alinity 白蛋白 溴甲酚绿 2	Abbott Alinity Albumin BCG 2	
		g/l	29.1	24.7	33.5	2.20	4.40			
		g/dl	2.75	2.34	3.16	0.205	0.410	Abbott Alinity 白蛋白 溴甲酚紫 2	Abbott Alinity Albumin BCP 2	
		g/l	27.5	23.4	31.6	2.05	4.10			
		g/dl	2.93	2.49	3.37	0.220	0.440	Abbott Architect 白蛋白 溴甲酚绿 2	Abbott Architect Albumin BCG 2	
		g/l	29.3	24.9	33.7	2.20	4.40			
		g/dl	2.77	2.35	3.19	0.210	0.420	Abbott Architect 白蛋白 溴甲酚紫 2	Abbott Architect Albumin BCP 2	
		g/l	27.7	23.5	31.9	2.10	4.20			
		g/dl	3.30	2.81	3.79	0.245	0.490	Agappe - 溴甲酚绿	Agappe - Bromocresol Green	
		g/l	33.0	28.1	37.9	2.45	4.90			
		g/dl	3.14	2.67	3.61	0.235	0.470	溴甲酚绿	Bromocresol Green	
		g/l	31.4	26.7	36.1	2.35	4.70			
		g/dl	2.90	2.47	3.33	0.215	0.430	溴甲酚紫	Bromocresol Purple	
		g/l	29.0	24.7	33.3	2.15	4.30			
		g/dl	3.07	2.61	3.53	0.230	0.460	散射比浊法	Nephelometric Assays	
		g/l	30.7	26.1	35.3	2.30	4.60			
		g/dl	3.09	2.63	3.55	0.230	0.460	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		g/l	30.9	26.3	35.5	2.30	4.60			
		g/dl	3.04	2.58	3.50	0.230	0.460	比浊法	Turbidimetric Assays	
		g/l	30.4	25.8	35.0	2.30	4.60			
Alkaline Phosphatase	碱性磷酸酶	U/l	346	294	398	26.0	52.0	Abbott Alinity 碱性磷酸酶 2	Abbott Alinity Alkaline Phosphatase 2	
		U/l	347	295	399	26.0	52.0	Abbott Architect 碱性磷酸酶 2	Abbott Architect Alkaline Phosphatase 2	
		U/l	349	297	401	26.0	52.0	非推荐AMP	AMP non-optimised	
		U/l	370	315	425	27.5	55.0	IFCC推荐AMP	AMP optimised to IFCC	
		U/l	373	317	429	28.0	56.0	Beckman AMP (校准)	Beckman AMP (Calibrator)	
		U/l	333	283	383	25.0	50.0	Beckman AMP (消光系数)	Beckman AMP (Extinction Coeff)	
		U/l	544	462	626	41.0	82.0	二乙醇胺 (DEA)缓冲液	Diethanolamine buffer, DEA	
		U/l	306	260	352	23.0	46.0	Fuji Dri-Chem JSCC	Fuji Dri-Chem JSCC	
		U/l	281	239	323	21.0	42.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	342	291	393	25.5	51.0	其他 AMP	Other AMP kits	
		U/l	310	264	356	23.0	46.0	Roche AMP 缓冲液 IFCC	Roche AMP buffer IFCC	
		U/l	320	272	368	24.0	48.0	Siemens/Dade Dimension AMP缓冲液	Siemens/Dade Dimension AMP buffer	
alpha - HBDH	α-羟基丁酸脱氢酶(HBDH)	U/l	372	294	450	39.0	78.0	氧代丁酸酯 < 10 mmol/l	Oxobutyrate < 10 mmol/l	

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
ALT (GPT)	丙氨酸氨基转移酶	U/l	134	107	161	13.5	27.0	Abbott Alinity 丙氨酸氨基转移酶 2	Abbott Alinity ALT 2	
		U/l	139	111	167	14.0	28.0	Abbott Architect 丙氨酸氨基转移酶 2	Abbott Architect ALT 2	
		U/l	146	117	175	14.5	29.0	Agappe - IFCC	Agappe - IFCC	
		U/l	127	102	152	12.5	25.0	Beckman (消光系数)	Beckman (Extinction Coefficient)	
		U/l	153	122	184	15.5	31.0	Beckman IFCC 含P5P	Beckman IFCC Ref. with P5P	
		U/l	152	122	182	15.0	30.0	Beckman 修改的IFCC参考方法 (不含P5P)	Beckman Mod. IFCC Ref. without P5P	
ALT (GPT)	丙氨酸氨基转移酶	U/l	149	119	179	15.0	30.0	比色法	Colorimetric	
		U/l	159	127	191	16.0	32.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	159	127	191	16.0	32.0	奥森多干化学法	Ortho Vitros MicroSlide visible	
		U/l	146	117	175	14.5	29.0	磷酸盐缓冲液 DGKC法	Phosphate buffer, DGKC	
		U/l	159	127	191	16.0	32.0	Siemens Dade标准非IFCC相关	Siemens/Dade standard nonIFCC correlated	
		U/l	151	121	181	15.0	30.0	Tris缓冲液 (含P5P)	Tris Buffer With P5P	
		U/l	146	117	175	14.5	29.0	Tris缓冲液 (含P5P NVKC)	Tris buffer with P5P, NVKC	
		U/l	157	126	188	15.5	31.0	Tris缓冲液 (不含P5P)	Tris Buffer Without P5P	
		U/l	149	119	179	15.0	30.0	Tris缓冲液 (SCE)	Tris buffer, SCE	
Amylase Pancreatic	胰淀粉酶	U/l	222	189	255	16.5	33.0	Beckman Synchron CX/LXi/DxC	Beckman Synchron CX/LXi/DxC	
		U/l	224	190	258	17.0	34.0	免疫抑制EPS底物法	Immunoinhibition, EPS substrate	
		U/l	262	223	301	19.5	39.0	Randox 液体亚乙基 pNPG7	Randox Liquid Ethylidene pNPG7	
		U/l	230	196	264	17.0	34.0	Randox 液体稳定 pNPG7	Randox Liquid Stable pNPG7	
		U/l	219	186	252	16.5	33.0	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7	
Amylase Total	淀粉酶	U/l	266	226	306	20.0	40.0	Abbott Alinity 淀粉酶 2	Abbott Alinity Amylase 2	
		U/l	267	227	307	20.0	40.0	Abbott Architect 淀粉酶 2	Abbott Architect Amylase 2	
		U/l	267	227	307	20.0	40.0	Abbott Architect / Alinity cal factor 3431	Abbott Architect/Alinity cal factor 3431	
		U/l	273	232	314	20.5	41.0	Abbott Architect / Alinity cal factor 3806	Abbott Architect/Alinity cal factor 3806	
		U/l	270	230	310	20.0	40.0	Abbott 阻断 pNPG7	Abbott blocked pNPG7	
		U/l	279	237	321	21.0	42.0	Agappe - CNPG3	Agappe - CNPG3	
		U/l	253	215	291	19.0	38.0	淀粉分解法	Amylolytic Methods	
		U/l	260	221	299	19.5	39.0	Beckman 阻断 Pnpg7	Beckman blocked pNPG7	
		U/l	257	218	296	19.5	39.0	Beckman CNPG3 消光系数)	Beckman CNPG3 (Extinction Coeff)	
		U/l	255	217	293	19.0	38.0	Beckman CNPG3 (Master Cal)	Beckman CNPG3 (Master Cal)	
		U/l	255	217	293	19.0	38.0	Beckman 麦芽四糖	Beckman maltotetraose	
		U/l	262	223	301	19.5	39.0	Beckman Synchron AMY7	Beckman Synchron AMY7	

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Amylase Total	淀粉酶	U/l	246	209	283	18.5	37.0	BM/Roche 比色 pNPG7	BM/Roche, Colorimetric pNPG7	
		U/l	268	228	308	20.0	40.0	Human CNPG3	Human CNPG3	
		U/l	265	225	305	20.0	40.0	Human CNPG3 (IFCC)	Human CNPG3 (IFCC)	
		U/l	259	220	298	19.5	39.0	I.L. 2-氯-对硝基苯麦芽三糖苷法	I.L. 2-chloro-pNPG3	
		U/l	153	130	176	11.5	23.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	244	207	281	18.5	37.0	罗氏其他2氯对硝基苯麦芽七糖苷法	Other Roche 2-chloro-pNPG7	
		U/l	266	226	306	20.0	40.0	对硝基苯麦芽三糖苷底物法	pNP Maltotrioxide substrates	
		U/l	273	232	314	20.5	41.0	Randox 液体亚乙基 pNPG7	Randox Liquid Ethylidene pNPG7	
		U/l	247	210	284	18.5	37.0	Roche Integra 2-氯-pNPG7	Roche Integra 2-chloro-pNPG7	
		U/l	245	208	282	18.5	37.0	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7	
		U/l	279	237	321	21.0	42.0	Siemens 阻断 pNPG7	Siemens - blocked pNPG7	
		U/l	289	246	332	21.5	43.0	Siemens/Dade Behring 2-氯-pNPG3	Siemens/Dade Behring 2-chloro-pNPG3	
Apolipoprotein A1	载脂蛋白A-I	g/l	0.987	0.809	1.17	0.092	0.183	免疫比浊法	Immunoturbidimetric	
		mg/dl	98.7	80.9	117	9.15	18.3			
Apolipoprotein B	载脂蛋白 B	g/l	0.578	0.474	0.682	0.052	0.104	免疫比浊法	Immunoturbidimetric	
		mg/dl	57.8	47.4	68.2	5.20	10.4			
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	141	113	169	14.0	28.0	Abbott Alinity 谷草转氨酶 2	Abbott Alinity AST 2	
		U/l	142	114	170	14.0	28.0	Abbott Architect 谷草转氨酶 2	Abbott Architect AST 2	
		U/l	127	102	152	12.5	25.0	Agappe - IFCC	Agappe - IFCC	
		U/l	104	83	125	10.5	21.0	Beckman (消光系数)	Beckman (Extinction Coefficient)	
		U/l	137	110	164	13.5	27.0	Beckman IFCC 含P5P	Beckman IFCC Ref. with P5P	
		U/l	136	109	163	13.5	27.0	Beckman 修改的IFCC参考方法 (不含P5P)	Beckman Mod. IFCC Ref. without P5P	
		U/l	132	106	158	13.0	26.0	比色法	Colorimetric	
		U/l	130	104	156	13.0	26.0	苹果酸脱氢酶-日本临床化学学会方法	MDH - JSCC	
		U/l	162	130	194	16.0	32.0	奥森多干化学法	Ortho Vitros MicroSlide visible	
		U/l	133	106	160	13.5	27.0	磷酸盐缓冲液 DGKC法	Phosphate buffer, DGKC	
		U/l	144	115	173	14.5	29.0	Siemens Dade标准非IFCC相关	Siemens/Dade standard non IFCC corr.	
		U/l	147	118	176	14.5	29.0	Tris缓冲液 (含P5P)	Tris Buffer With P5P	
		U/l	136	109	163	13.5	27.0	Tris缓冲液 (含P5P NVKC)	Tris buffer with P5P, NVKC	
		U/l	136	109	163	13.5	27.0	Tris缓冲液 (不含P5P)	Tris Buffer Without P5P	
		U/l	133	106	160	13.5	27.0	Tris缓冲液 (SCE)	Tris buffer, SCE	

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Bicarbonate	碳酸氢盐	mmol/l	13.1	10.4	15.8	1.35	2.70	比色法	Colorimetric
		mmol/l	14.0	11.1	16.9	1.45	2.90	酶法	Enzymatic
		mmol/l	14.1	11.2	17.0	1.45	2.90	测压法	Manometric
Bile Acids	胆汁酸	μmol/l	45.9	36.7	55.1	4.60	9.20	第 5 代比色法	5th Generation Colorimetric
		μmol/l	46.0	36.8	55.2	4.60	9.20	酶比色法	Enzymatic Colorimetric
		μmol/l	47.3	37.8	56.8	4.75	9.50	酶比色法 - Sentinel	Enzymatic Colorimetric - Sentinel
Bilirubin Direct	直接胆红素	mg/dl	1.88	1.49	2.27	0.195	0.390	改良 Jendrassik法	Modified Jendrassik
		μmol/l	32.1	25.4	38.8	3.35	6.70		
		mg/dl	1.81	1.43	2.19	0.190	0.380	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid
		μmol/l	30.9	24.4	37.4	3.25	6.50		
		mg/dl	1.12	0.885	1.36	0.120	0.240	Siemens Dimension	Diazo/ Sulphanilic Siemens Dimension
		μmol/l	19.2	15.2	23.2	2.00	4.00	重氮化对氨基苯磺酸法	
		mg/dl	1.30	1.03	1.57	0.135	0.270	Beckman DxC	Diazo/Sulphanilic Beckman DxC
		μmol/l	22.3	17.6	27.0	2.35	4.70	重氮化对氨基苯磺酸法	
		mg/dl	1.74	1.37	2.11	0.185	0.370	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate
		μmol/l	29.8	23.5	36.1	3.15	6.30		
Bilirubin Total	总胆红素	mg/dl	1.81	1.43	2.19	0.190	0.380	Roche DPD JG 标准化	Roche DPD JG standardised
		μmol/l	30.9	24.4	37.4	3.25	6.50		
		mg/dl	5.59	4.42	6.76	0.585	1.17	改良 Jendrassik法	Modified Jendrassik
		μmol/l	95.5	75.4	116	10.3	20.5		
		mg/dl	4.77	3.77	5.77	0.500	1.00	Abbott Alinity / Architect	Abbott Alin/Arch cal batch no >97447/8/9
		μmol/l	81.5	64.4	98.6	8.55	17.1	cal batch no >97447/8/9	
		mg/dl	4.83	3.82	5.84	0.505	1.01	Abbott Alinity 总胆红素 2	Abbott Alinity Total Bilirubin 2
		μmol/l	82.6	65.3	99.9	8.65	17.3		
		mg/dl	4.96	3.92	6.00	0.520	1.04	Abbott Architect 总胆红素 2	Abbott Architect Total Bilirubin 2
		μmol/l	84.8	67.0	103	9.10	18.2		
		mg/dl	5.02	3.97	6.07	0.525	1.05	Agappe - DMSO	Agappe - DMSO
		μmol/l	85.8	67.8	104	9.10	18.2		
		mg/dl	4.75	3.75	5.75	0.500	1.00	Agappe - TAB	Agappe - TAB
		μmol/l	81.2	64.1	98.3	8.55	17.1		
		mg/dl	4.93	3.89	5.97	0.520	1.04	重氮与二氯苯胺	Diazo With Dichloroaniline
		μmol/l	84.2	66.5	102	8.90	17.8		
		mg/dl	5.05	3.99	6.11	0.530	1.06	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid
		μmol/l	86.4	68.3	105	9.30	18.6		

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Bilirubin Total	总胆红素	mg/dl	4.60	3.63	5.57	0.485	0.970	重氮离子法	Diazonium Ion	
		μmol/l	78.6	62.1	95.1	8.25	16.5			
		mg/dl	4.70	3.71	5.69	0.495	0.990	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium	
		μmol/l	80.3	63.4	97.2	8.45	16.9			
		mg/dl	5.08	4.01	6.15	0.535	1.07	DPD (Beckman AU)	DPD (Beckman AU)	
		μmol/l	86.8	68.6	105	9.10	18.2			
Bilirubin unconjugated BU	未结合胆红素 BU	mg/dl	4.88	3.86	5.90	0.510	1.02	硝基重氮苯盐	Nitrobenzenediazonium Salt	
		μmol/l	83.5	66.0	101	8.75	17.5			
		mg/dl	4.84	3.82	5.86	0.510	1.02	Ortho Vitros MicroSlide Total Bilirubin	Ortho Vitros MicroSlide Total Bil	
		μmol/l	82.7	65.3	100	8.65	17.3			
		mg/dl	5.34	4.22	6.46	0.560	1.12	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate	
		μmol/l	91.2	72.0	110	9.40	18.8			
Calcium	钙	mg/dl	4.42	3.49	5.35	0.465	0.930	BuBc Vitros slide	BuBc Vitros slide	
		μmol/l	75.6	59.7	91.5	7.95	15.9			
		mg/dl	4.34	3.43	5.25	0.455	0.910	Direct Bilirubin Vitros slide	Direct Bilirubin Vitros slide	
		μmol/l	74.2	58.6	89.8	7.80	15.6			
		mg/dl	12.3	11.1	13.5	0.600	1.20	Agappe - 偶氮砷	Agappe - ARSENAZO	
		mmol/l	3.06	2.75	3.37	0.155	0.310			
Calcium	钙	mg/dl	12.2	11.0	13.4	0.600	1.20	偶氮砷III法	Arsenazo III	
		mmol/l	3.04	2.74	3.34	0.150	0.300			
		mg/dl	12.1	10.9	13.3	0.600	1.20	甲酚酞络合剂比色法	Cresolphthalein Complexone	
		mmol/l	3.01	2.71	3.31	0.150	0.300			
		mg/dl	11.9	10.7	13.1	0.600	1.20	离子选择性电极法	Ion Selective Electrode	
		mmol/l	2.97	2.67	3.27	0.150	0.300			
Calcium	钙	mg/dl	11.8	10.6	13.0	0.600	1.20	甲基百里酚蓝	Methylthymol Blue	
		mmol/l	2.95	2.66	3.24	0.145	0.290			
		mg/dl	12.1	10.9	13.3	0.600	1.20	NM-BAPTA	NM-BAPTA	
		mmol/l	3.01	2.71	3.31	0.150	0.300			
		mg/dl	12.0	10.8	13.2	0.600	1.20	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		mmol/l	2.99	2.69	3.29	0.150	0.300			
Calcium	钙	mg/dl	11.9	10.7	13.1	0.600	1.20	偶氮磷法	Phosphonazo	
		mmol/l	2.98	2.68	3.28	0.150	0.300			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Calcium Ionised	离子钙	mg/dl	5.45	4.91	5.99	0.270	0.540	离子选择性电极法	Ion Selective Electrode
		mmol/l	1.36	1.22	1.50	0.070	0.140		
		mg/dl	6.61	5.95	7.27	0.330	0.660	分光光度法	Spectrophotometric
		mmol/l	1.65	1.49	1.81	0.080	0.160		
Chloride	氯	mmol/l	114	105	123	4.50	9.00	Agappe - THIOCYANATE	Agappe - THIOCYANATE
		mmol/l	112	103	121	4.50	9.00	比色法	Colorimetric
		mmol/l	109	100	118	4.50	9.00	离子选择性电极-直接法	ISE Direct
		mmol/l	111	102	120	4.50	9.00	离子选择性电极-间接法	ISE Indirect
		mmol/l	114	105	123	4.50	9.00	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
Cholesterol	胆固醇	mg/dl	283	246	320	18.5	37.0	Abbott Alinity 胆固醇 2	Abbott Alinity Cholesterol 2
		mmol/l	7.34	6.39	8.29	0.475	0.950		
		mg/dl	285	248	322	18.5	37.0	Abbott Architect 胆固醇 2	Abbott Architect Cholesterol 2
		mmol/l	7.38	6.42	8.34	0.480	0.960		
		mg/dl	275	239	311	18.0	36.0	Agappe - CHOD-PAP	Agappe - CHOD-PAP
		mmol/l	7.12	6.19	8.05	0.465	0.930		
		mg/dl	284	247	321	18.5	37.0	胆固醇脱氢酶	Cholesterol Dehydrogenase
		mmol/l	7.36	6.40	8.32	0.480	0.960		
		mg/dl	314	273	355	20.5	41.0	胆固醇氧化酶 - Abell Kendall	Cholesterol Oxidase - Abell Kendall
		mmol/l	8.12	7.06	9.18	0.530	1.06		
		mg/dl	286	249	323	18.5	37.0	胆固醇氧化酶 - IDMS	Cholesterol Oxidase - IDMS
		mmol/l	7.42	6.46	8.38	0.480	0.960		
		mg/dl	291	253	329	19.0	38.0	Dimension - non Siemens reagents	Dimension - non Siemens reagents
		mmol/l	7.53	6.55	8.51	0.490	0.980		
Cholinesterase	胆碱脂酶	U/l	5350	4280	6420	535	1070	苯甲酰胆碱比色法	Colorimetric - Benzoylcholine
		U/l	5408	4326	6490	541	1082	硫代丁酰胆碱比色法	Colorimetric - Butyrylthiocholine
		U/l	5186	4149	6223	519	1037	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		U/l	8128	6502	9754	813	1626	Siemens Atellica 胆碱脂酶_2	Siemens Atellica Cholinesterase_2
CK Total	肌酸激酶 (总)	U/l	555	455	655	50.0	100	Abbott CK-NAC (IFCC)	Abbott CK-NAC (IFCC)
		U/l	496	407	585	44.5	89.0	Beckman CK-NAC (消光系数)	Beckman CK-NAC (Extinction Coeff)
		U/l	573	470	676	51.5	103	Beckman CK-NAC (IFCC)	Beckman CK-NAC (IFCC)

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
CK Total	肌酸激酶 (总)	U/l	542	444	640	49.0	98.0	肌酸激酶-NAC (IFCC)	CK-NAC (IFCC)
		U/l	542	444	640	49.0	98.0	肌酸激酶-NAC 样本启动 (DGKC)	CK-NAC serum start (DGKC)
		U/l	562	461	663	50.5	101	肌酸激酶-NAC 底物启动 (DGKC)	CK-NAC substrate start (DGKC)
		U/l	521	427	615	47.0	94.0	磷酸肌酸 底物启动	Creatine Phosphate Substrate Start
		U/l	524	430	618	47.0	94.0	二硫赤藓糖醇 (DTE) IFCC 相关	Dithioerythritol (DTE), IFCC correlated
		U/l	526	431	621	47.5	95.0	凝胶凝集	Gel Agglutination
		U/l	579	475	683	52.0	104	1-硫代甘油法	Monothioglycerol
		U/l	440	361	519	39.5	79.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
Copper	铜	µg/dl	156	125	187	15.5	31.0	原子吸收法	Atomic Absorption
		µmol/l	24.6	19.7	29.5	2.45	4.90		
		µg/dl	158	126	190	16.0	32.0	比色法	Colorimetric
		µmol/l	24.9	19.9	29.9	2.50	5.00		
Cortisol	皮质醇	nmol/l	857	643	1071	107	214	Roche Cobas e402/e801	Roche Cobas e402/e801
		µg/dl	30.9	23.2	38.6	3.85	7.70		
Creatinine	肌酐	mg/dl	4.31	3.45	5.17	0.430	0.860	Abbott Alinity 肌酐 2	Abbott Alinity Creatinine 2
		µmol/l	381	305	457	38.0	76.0		
		mg/dl	4.27	3.42	5.12	0.425	0.850	Abbott Architect 肌酐 2	Abbott Architect Creatinine 2
		µmol/l	378	302	454	38.0	76.0		
		mg/dl	4.00	3.20	4.80	0.400	0.800	Agappe - 酶法	Agappe - ENZYMATIC
		µmol/l	354	283	425	35.5	71.0		
		mg/dl	3.83	3.06	4.60	0.385	0.770	Agappe - JAFFE'S KINETIC	Agappe - JAFFE'S KINETIC
		µmol/l	339	271	407	34.0	68.0		
		mg/dl	3.73	2.98	4.48	0.375	0.750	碱性苦味酸盐法 (未去蛋白)	Alkaline picrate no deproteinisation
		µmol/l	330	264	396	33.0	66.0		
		mg/dl	4.02	3.22	4.82	0.400	0.800	碱性苦味酸盐法 (去蛋白)	Alkaline Picrate With Deproteinisation
		µmol/l	356	285	427	35.5	71.0		
		mg/dl	4.36	3.49	5.23	0.435	0.870	酶法	Enzymatic
		µmol/l	386	309	463	38.5	77.0		
		mg/dl	4.21	3.37	5.05	0.420	0.840	可追溯至同位素稀释质谱法 (IDMS)	IDMS Traceable
		µmol/l	373	298	448	37.5	75.0		
		mg/dl	4.23	3.38	5.08	0.425	0.850	竞争速率法(-26 µmol/l)	Jaffe rate blanked comp. (-26umol/l)
		µmol/l	374	299	449	37.5	75.0		
		mg/dl	3.83	3.06	4.60	0.385	0.770	竞争速率法(-33 µmol/l)	Jaffe rate blanked comp. (-33umol/l)
		µmol/l	339	271	407	34.0	68.0		

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Creatinine	肌酐	mg/dl	4.14	3.31	4.97	0.415	0.830	代偿速率法(-18 umol/l)	Jaffe rate comp. (-18umol/l)
		umol/l	366	293	439	36.5	73.0		
		mg/dl	4.40	3.52	5.28	0.440	0.880	罗氏肌酐Plus	Roche Creatinine Plus
		umol/l	389	311	467	39.0	78.0		
		mg/dl	4.29	3.43	5.15	0.430	0.860	Vitros DT60/DT60 II/DTSC II	Vitros, DT60/DT60 II/DTSC II
		umol/l	380	304	456	38.0	76.0		
		mg/dl	4.29	3.43	5.15	0.430	0.860	Vitros 可追溯至IDMS	Vitros, IDMS traceable
		umol/l	380	304	456	38.0	76.0		
D-3-Hydroxybutyrate	D-3-羟基丁酸	mmol/l	1.19	1.01	1.37	0.090	0.180	Tris缓冲液100mmol, pH 8.5	Tris buffer 100mmol pH 8.5
Free T4	游离 T4	ng/dl	6.93	5.20	8.66	0.865	1.73	AutoBio CLIA	Autobio CLIA
		pg/ml	69.3	52.0	86.6	8.65	17.3		
		pmol/l	88.8	66.6	111	11.1	22.2		
		ng/dl	4.66	3.50	5.82	0.580	1.16	Beckman Access/LXi725	Beckman Access/LXi725
		pg/ml	46.6	35.0	58.2	5.80	11.6		
		pmol/l	59.8	44.9	74.7	7.45	14.9		
		ng/dl	4.94	3.71	6.17	0.615	1.23	Beckman Dxl 600/800	Beckman Dxl 600/800
		pg/ml	49.4	37.1	61.7	6.15	12.3		
		pmol/l	63.3	47.5	79.1	7.90	15.8		
		ng/dl	5.42	4.07	6.77	0.675	1.35	bioMerieux VIDAS FT4N Kit	bioMerieux, VIDAS-FT4N Kit
		pg/ml	54.2	40.7	67.7	6.75	13.5		
		pmol/l	69.5	52.1	86.9	8.70	17.4		
		ng/dl	7.16	5.37	8.95	0.895	1.79	Ortho Vitros 3600/5600/ECi/XT/7600	Ortho Vitros 3600/5600/ECi/XT/7600
		pg/ml	71.6	53.7	89.5	8.95	17.9		
		pmol/l	91.8	68.9	115	11.6	23.2		
		ng/dl	5.50	4.13	6.87	0.685	1.37	Roche Cobas 4000/E411	Roche Cobas 4000/e411
		pg/ml	55.0	41.3	68.7	6.85	13.7		
		pmol/l	70.5	52.9	88.1	8.80	17.6		
		ng/dl	5.76	4.32	7.20	0.720	1.44	Roche Cobas e402/e801	Roche Cobas e402/e801
		pg/ml	57.6	43.2	72.0	7.20	14.4		
		pmol/l	73.8	55.4	92.2	9.20	18.4		

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Free T4	游离 T4	ng/dl	5.55	4.16	6.94	0.695	1.39	Roche Cobas e601/602	Roche Cobas e601/ 602
		pg/ml	55.5	41.6	69.4	6.95	13.9		
		pmol/l	71.2	53.4	89.0	8.90	17.8		
		ng/dl	5.93	4.45	7.41	0.740	1.48	Siemens Dimension ExL LOCI	Siemens Dimension Exl LOCI
		pg/ml	59.3	44.5	74.1	7.40	14.8		
		pmol/l	76.0	57.0	95.0	9.50	19.0		
		ng/dl	5.62	4.22	7.02	0.700	1.40	Siemens/DPC Immulite 2000/2500	Siemens/DPC Immulite 2000/2500
		pg/ml	56.2	42.2	70.2	7.00	14.0		
		pmol/l	72.1	54.1	90.1	9.00	18.0		
		ng/dl	5.46	4.10	6.82	0.680	1.36	SNIBE Maglumi 分析仪	SNIBE Maglumi analysers
		pg/ml	54.6	41.0	68.2	6.80	13.6		
		pmol/l	70.0	52.5	87.5	8.75	17.5		
		ng/dl	5.70	4.28	7.12	0.710	1.42	Tosoh AIA Series	TOSOH AIA Series
		pg/ml	57.0	42.8	71.2	7.10	14.2		
		pmol/l	73.1	54.8	91.4	9.15	18.3		
gamma-GT	谷氨酰转移酶 (GGT)	U/l	166	141	191	12.5	25.0	Abbott Alinity 谷氨酰转移酶 2	Abbott Alinity GGT 2
		U/l	167	142	192	12.5	25.0	Abbott Architect 谷氨酰转移酶 2	Abbott Architect GGT 2
		U/l	164	139	189	12.5	25.0	Agappe - SZASZ KINETIC	Agappe - SZASZ KINETIC
		U/l	149	127	171	11.0	22.0	Beckman Szasz (消光系数)	Beckman Szasz (Extinction Coeff.)
		U/l	162	138	186	12.0	24.0	DCL γ-谷氨酰-3-羧基-4-硝基苯胺	DCL, gamma glut.-3-carb.-4-nitro.
		U/l	176	150	202	13.0	26.0	γ-谷氨酰-3-羧基-4-硝基苯胺	Gamma glut.-3-carb.-4-nitro.
		U/l	163	139	187	12.0	24.0	DCL γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC)	Gamma glut'3-carb'4-nitro(IFCC)
		U/l	162	138	186	12.0	24.0	γ-谷氨酰-4-硝基苯胺	Gamma Glutamyl-4-Nitroanilide
		U/l	181	154	208	13.5	27.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		U/l	165	140	190	12.5	25.0	Randox 比色法	Randox Colorimetric
		U/l	190	162	218	14.0	28.0	Siemens Dimension	Siemens Dimension
Gentamicin	庆大霉素	μg/ml	9.08	7.26	10.9	0.910	1.82	重量法	Gravimetric
		μmol/l	19.0	15.2	22.8	1.90	3.80		
GLDH	谷氨酸脱氢酶 (GLDH)	U/l	25	20	30	2.50	5.00	三乙醇胺缓冲液	Triethanolamine buffer

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Glucose	葡萄糖	mg/dl	279	237	321	21.0	42.0	Agappe - GOD-PAP	Agappe - GOD-PAP
		mmol/l	15.5	13.2	17.8	1.15	2.30		
		mg/dl	279	237	321	21.0	42.0	葡萄糖脱氢酶法	Glucose Dehydrogenase
		mmol/l	15.5	13.2	17.8	1.15	2.30		
		mg/dl	288	245	331	21.5	43.0	葡糖氧化酶法	Glucose Oxidase
		mmol/l	16.0	13.6	18.4	1.20	2.40		
		mg/dl	274	233	315	20.5	41.0	GOD/02-Beckman method	GOD/02-Beckman method
		mmol/l	15.2	12.9	17.5	1.15	2.30		
		mg/dl	281	239	323	21.0	42.0	己糖激酶法	Hexokinase
		mmol/l	15.6	13.3	17.9	1.15	2.30		
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	259	220	298	19.5	39.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	14.4	12.2	16.6	1.10	2.20		
		mg/dl	276	235	317	20.5	41.0	氧电极	Oxygen Electrode
		mmol/l	15.3	13.0	17.6	1.15	2.30		
		mg/dl	270	230	310	20.0	40.0	吡喃糖氧化酶/过氧化物酶	Pyranose oxidase / Peroxidase
		mmol/l	15.0	12.8	17.2	1.10	2.20		
		mg/dl	99.2	84.3	114	7.40	14.8	Agappe - SELECTIVE INHIBITION	Agappe - SELECTIVE INHIBITION
		mmol/l	2.57	2.18	2.96	0.195	0.390		
		mg/dl	82.6	70.2	95.0	6.20	12.4	直接清除法	Direct HDL, Clearance method
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mmol/l	2.14	1.82	2.46	0.160	0.320		
		mg/dl	94.2	80.1	108	6.90	13.8	直接高密度脂蛋白免疫分离法	Direct HDL, Immunoseparation
		mmol/l	2.44	2.07	2.81	0.185	0.370		
		mg/dl	111	94.4	128	8.50	17.0	直接高密度脂蛋白罗氏第4代	Direct HDL, Roche 4th gen.
		mmol/l	2.88	2.45	3.31	0.215	0.430		
		mg/dl	91.5	77.8	105	6.75	13.5	高密度脂蛋白胆固醇测定试剂盒 (均相测定法)	HDL Ultra/Accel Selective Detergent
		mmol/l	2.37	2.01	2.73	0.180	0.360		
		mg/dl	80.3	68.3	92.3	6.00	12.0	Vitros 5.1 FS microtip assay	Vitros 5.1 FS Microtip assay
		mmol/l	2.08	1.77	2.39	0.155	0.310		
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	84.2	71.6	96.8	6.30	12.6	Vitros dHDL PTA/MgCl2 直接沉淀法	Vitros dHDL, PTA/MgCl2 direct precip.
		mmol/l	2.18	1.85	2.51	0.165	0.330		
		mg/dl	83.8	71.2	96.4	6.30	12.6	Vitros Magnetic HDL	Vitros, Magnetic HDL
		mmol/l	2.17	1.84	2.50	0.165	0.330		

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Immunoglobulin A	免疫球蛋白A (IgA)	g/l	1.88	1.41	2.35	0.235	0.470	比浊法 (IFCC 校准)	Turbidimetric (IFCC Cal.)	
		mg/dl	188	141	235	23.5	47.0			
Immunoglobulin G	免疫球蛋白G (IgG)	g/l	6.05	4.96	7.14	0.545	1.09	比浊法 (IFCC 校准)	Turbidimetric (IFCC Cal.)	
		mg/dl	605	496	714	54.5	109			
Immunoglobulin M	免疫球蛋白M (IgM)	g/l	0.878	0.702	1.05	0.086	0.172	比浊法 (IFCC 校准)	Turbidimetric (IFCC Cal.)	
		mg/dl	87.8	70.2	105	8.60	17.2			
Iron	铁	µg/dl	232	190	274	21.0	42.0	Abbott Alinity 铁 2	Abbott Alinity Iron 2	
		µmol/l	41.5	34.0	49.0	3.75	7.50			
		µg/dl	236	194	278	21.0	42.0	Abbott Architect 化学发光法 2	Abbott Architect Chemilum	
		µmol/l	42.2	34.6	49.8	3.80	7.60			
		µg/dl	274	225	323	24.5	49.0	Agappe - CHROMAZUROL	Agappe - CHROMAZUROL	
		µmol/l	49.0	40.2	57.8	4.40	8.80			
		µg/dl	221	181	261	20.0	40.0	比色法 (含ppt.)	Colorimetric with ppt.	
		µmol/l	39.6	32.5	46.7	3.55	7.10			
		µg/dl	229	188	270	20.5	41.0	比色法 (不含ppt.)	Colorimetric without ppt.	
		µmol/l	41.0	33.6	48.4	3.70	7.40			
Lactate	乳酸	µg/dl	225	185	265	20.0	40.0	光学发射光谱法	Optical Emission Spectroscopy	
		µmol/l	40.3	33.0	47.6	3.65	7.30			
		µg/dl	214	175	253	19.5	39.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		µmol/l	38.3	31.4	45.2	3.45	6.90			
		mg/dl	49.5	40.6	58.4	4.45	8.90	乳酸氧化酶比色法	Colorimetric - Lactate oxidase	
		mmol/l	5.50	4.51	6.49	0.495	0.990			
		mg/dl	48.6	39.9	57.3	4.35	8.70	酶电极法	Enzymatic Electrode	
		mmol/l	5.40	4.43	6.37	0.485	0.970			
Lactate	乳酸	mg/dl	48.6	39.9	57.3	4.35	8.70	离子选择性电极法	Ion Selective Electrode	
		mmol/l	5.40	4.43	6.37	0.485	0.970			
		mg/dl	45.8	37.6	54.0	4.10	8.20	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		mmol/l	5.08	4.17	5.99	0.455	0.910			
		mg/dl	48.6	39.9	57.3	4.35	8.70	乳酸脱氢酶紫外线法	UV-LDH	
		mmol/l	5.39	4.42	6.36	0.485	0.970			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	334	284	384	25.0	50.0	Abbott Alinity 乳酸脱氢酶 2	Abbott Alinity LD 2	
		U/l	330	281	379	24.5	49.0	Abbott Architect 乳酸脱氢酶 2	Abbott Architect LD 2	
		U/l	699	594	804	52.5	105	Agappe - SCE	Agappe - SCE	
		U/l	306	260	352	23.0	46.0	L至P贝克曼 (消光系数)	L to P Beckman (Extinction Coeff)	
		U/l	337	286	388	25.5	51.0	L->P Siemens/Dade, 非 IFCC	L to P Siemens/Dade, non-IFCC	
		U/l	340	289	391	25.5	51.0	L->P, (IFCC)	L to P, IFCC	
		U/l	340	289	391	25.5	51.0	L->P	Lactate to Pyruvate methods	
		U/l	396	337	455	29.5	59.0	奥森多可溯源至IFCC	Ortho Vitros IFCC Traceable	
		U/l	393	334	452	29.5	59.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	703	598	808	52.5	105	P->L 斯堪的纳维亚和荷兰	P to L Scandinavian & Dutch	
		U/l	684	581	787	51.5	103	P->L 德国方法	P to L German methods	
		U/l	690	587	793	51.5	103	P to L, SFBC	P to L, SFBC	
		U/l	334	284	384	25.0	50.0	Pyruvate 1.4 mM - Beckman LD-P	Pyruvate 1.4 mM - Beckman LD-P	
Lipase	脂肪酶	U/l	82	66	98	8.00	16.0	比色法 Siemens Dimension (LIP Kit)	Colorimetric Dimension (LIP Kit)	
		U/l	83	67	99	8.00	16.0	比色法 Siemens Dimension (LIPL Kit)	Colorimetric Dimension (LIPL Kit)	
		U/l	96	77	115	9.50	19.0	Randox 比色法	Colorimetric Randox	
		U/l	79	63	95	8.00	16.0	罗氏比色法	Colorimetric Roche	
		U/l	800	642	958	79.0	158	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	78	63	93	7.50	15.0	其他比色法	Other Colorimetric	
		U/l	79	63	95	8.00	16.0	罗氏脂肪酶比浊法	Roche Turbidimetric with colipase	
Lithium	锂	mg/dl	1.40	1.23	1.57	0.085	0.170	离子选择性电极法	Ion Selective Electrode	
		mmol/l	2.02	1.78	2.26	0.120	0.240			
		mg/dl	1.64	1.44	1.84	0.100	0.200	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		mmol/l	2.36	2.08	2.64	0.140	0.280			
Magnesium	镁	mg/dl	4.23	3.72	4.74	0.255	0.510	Agappe - 二甲苯胺蓝法	Agappe - XYLIDYL BLUE	
		mmol/l	1.74	1.53	1.95	0.105	0.210			
		mg/dl	4.28	3.77	4.79	0.255	0.510	偶氮砷III法	Arsenazo III	
		mmol/l	1.76	1.55	1.97	0.105	0.210			
		mg/dl	4.28	3.77	4.79	0.255	0.510	原子吸收法	Atomic Absorption	
		mmol/l	1.76	1.55	1.97	0.105	0.210			
		mg/dl	4.28	3.77	4.79	0.255	0.510	钙镁指示剂比色法	Calmagite	
		mmol/l	1.76	1.55	1.97	0.105	0.210			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Magnesium	镁	mg/dl	4.28	3.77	4.79	0.255	0.510	偶氮氯膦III法	Chlorphosphonazo III
		mmol/l	1.76	1.55	1.97	0.105	0.210		
		mg/dl	4.35	3.83	4.87	0.260	0.520	酶法	Enzymatic
		mmol/l	1.79	1.58	2.00	0.105	0.210		
		mg/dl	4.30	3.78	4.82	0.260	0.520	甲基百里酚蓝	Methylthymol Blue
		mmol/l	1.77	1.56	1.98	0.105	0.210		
		mg/dl	4.42	3.89	4.95	0.265	0.530	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	1.82	1.60	2.04	0.110	0.220		
		mg/dl	4.42	3.89	4.95	0.265	0.530	二甲苯胺蓝法	Xylidyl Blue
		mmol/l	1.82	1.60	2.04	0.110	0.220		
NEFA	游离脂肪酸	mmol/l	0.425	0.340	0.510	0.043	0.085	比色法	Colorimetric
Osmolality	摩尔渗透压浓度	mOsm/ Kg	343	274	412	34.5	69.0	计算	Calculated
		mOsm/ Kg	390	312	468	39.0	78.0	凝固点降低法	Freezing Point Depression
Paracetamol (Acetamin)	扑热息痛	mg/l	90.9	72.7	109	9.05	18.1	重量法	Gravimetric
		mmol/l	0.600	0.480	0.720	0.060	0.120		
Phosphate Inorganic	无机磷	mg/dl	6.97	5.92	8.02	0.525	1.05	Agappe - 磷钼酸盐	Agappe - PHOSPHOMOLYBDATE
		mmol/l	2.25	1.91	2.59	0.170	0.340		
		mg/dl	7.01	5.96	8.06	0.525	1.05	Beckman PHOSm kit (365nm)	Beckman PHOSm kit (365nm)
		mmol/l	2.26	1.92	2.60	0.170	0.340		
		mg/dl	6.94	5.90	7.98	0.520	1.04	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	2.24	1.90	2.58	0.170	0.340		
		mg/dl	6.97	5.92	8.02	0.525	1.05	磷钼酸盐酶法	Phosphomolybdate Enzymatic
		mmol/l	2.25	1.91	2.59	0.170	0.340		
		mg/dl	7.44	6.32	8.56	0.560	1.12	磷钼酸盐紫外线法	Phosphomolybdate UV
		mmol/l	2.40	2.04	2.76	0.180	0.360		
Potassium	钾	mmol/l	6.08	5.59	6.57	0.245	0.490	Agappe - 离子选择性电极-直接法	Agappe - ISE DIRECT
		mmol/l	6.01	5.53	6.49	0.240	0.480	比色法	Colorimetric
		mmol/l	6.12	5.63	6.61	0.245	0.490	酶法	Enzymatic
		mmol/l	5.98	5.50	6.46	0.240	0.480	离子选择性电极-直接法	ISE Direct
		mmol/l	5.96	5.48	6.44	0.240	0.480	离子选择性电极-直接法	ISE method - direct
		mmol/l	6.11	5.62	6.60	0.245	0.490	离子选择性电极-间接法	ISE method - indirect
		mmol/l	6.02	5.54	6.50	0.240	0.480	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Protein Total	总蛋白	g/dl	4.74	3.79	5.69	0.475	0.950	Abbott Alinity 总蛋白 2	Abbott Alinity Total Protein 2	
		g/l	47.4	37.9	56.9	4.75	9.50			
		g/dl	4.87	3.90	5.84	0.485	0.970	Abbott Architect 总蛋白 2	Abbott Architect total Protein 2	
		g/l	48.7	39.0	58.4	4.85	9.70			
Protein Total	总蛋白	g/dl	4.83	3.86	5.80	0.485	0.970	Agappe Ultra Stik	Agappe Ultra Stik	
		g/l	48.3	38.6	58.0	4.85	9.70			
		g/dl	4.55	3.64	5.46	0.455	0.910	双缩脲反应 CX4/5/7	Biuret reaction, CX4/5/7	
		g/l	45.5	36.4	54.6	4.55	9.10			
		g/dl	4.92	3.94	5.90	0.490	0.980	双缩脲反应终点法	Biuret reaction, end point	
		g/l	49.2	39.4	59.0	4.90	9.80			
		g/dl	4.61	3.69	5.53	0.460	0.920	双缩脲反应动力法	Biuret reaction, kinetic	
		g/l	46.1	36.9	55.3	4.60	9.20			
PSA Total	总前列腺特异抗原 (tPSA)	g/dl	4.80	3.84	5.76	0.480	0.960	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		g/l	48.0	38.4	57.6	4.80	9.60			
		ng/ml = µg/l	17.3	13.0	21.6	2.15	4.30	Abbott Architect / Alinity	Abbott Architect/ Alinity	
		ng/ml = µg/l	19.5	14.6	24.4	2.45	4.90	AutoBio CLIA	Autobio CLIA	
		ng/ml = µg/l	23.9	17.9	29.9	3.00	6.00	Beckman Access 标准化到Hybritech	Beckman Access standardised to Hybritech	
		ng/ml = µg/l	25.4	19.1	31.7	3.15	6.30	Beckman DXI 标准化到 Hybritech	Beckman DXI standardised to Hybritech	
		ng/ml = µg/l	18.5	13.9	23.1	2.30	4.60	bioMerieux VIDAS TPSA	bioMerieux VIDAS TPSA	
		ng/ml = µg/l	20.0	15.0	25.0	2.50	5.00	Ortho Vitros 3600/5600/Eci	Ortho Vitros 3600/5600/ECi	
		ng/ml = µg/l	19.6	14.7	24.5	2.45	4.90	Ortho Vitros 3600/5600/ECi PSA II/XT7600	Ortho Vitros 3600/5600/ECi PSA II/XT7600	
		ng/ml = µg/l	21.1	15.8	26.4	2.65	5.30	Roche Cobas 4000/E411	Roche Cobas 4000/e411	
		ng/ml = µg/l	20.7	15.5	25.9	2.60	5.20	Roche Cobas e601/602	Roche Cobas e601/602	
		ng/ml = µg/l	19.1	14.3	23.9	2.40	4.80	Siemens Atellica IM	Siemens Atellica IM	
		ng/ml = µg/l	18.7	14.0	23.4	2.35	4.70	Siemens Centaur	Siemens Centaur	
		ng/ml = µg/l	17.6	13.2	22.0	2.20	4.40	Siemens Dimension	Siemens Dimension	
		ng/ml = µg/l	18.3	13.7	22.9	2.30	4.60	Siemens Immulite 2000/2500, Total PSA	Siemens Immulite 2000/2500, Total PSA	
		ng/ml = µg/l	16.7	12.5	20.9	2.10	4.20	SNIBE Maglumi 分析仪	SNIBE Maglumi analysers	
PSA Total	总前列腺特异抗原 (tPSA)	ng/ml = µg/l	14.2	10.7	17.7	1.75	3.50	Tosoh AIA Series	TOSOH AIA Series	
Salicylate	水杨酸	mg/dl	12.0	9.60	14.4	1.20	2.40	重量法	Gravimetric	
		mmol/l	0.870	0.696	1.04	0.085	0.170			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Sodium	钠	mmol/l	157	149	165	4.00	8.00	Agappe - 离子选择性电极-直接法	Agappe - ISE DIRECT	
		mmol/l	156	148	164	4.00	8.00	比色法	Colorimetric	
		mmol/l	158	150	166	4.00	8.00	酶法	Enzymatic	
		mmol/l	157	149	165	4.00	8.00	离子选择性电极-直接法	ISE Direct	
		mmol/l	155	147	163	4.00	8.00	离子选择性电极-直接法	ISE method - direct	
		mmol/l	158	150	166	4.00	8.00	离子选择性电极-间接法	ISE method - indirect	
		mmol/l	155	147	163	4.00	8.00	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
Theophylline	茶碱	µg/ml	25.0	20.0	30.0	2.50	5.00	重量法	Gravimetric	
		µmol/l	139	111	167	14.0	28.0			
Thyroid Stimulating Hormone	促甲状腺激素	µU/ml = mIU/l	0.952	0.762	1.14	0.094	0.188	Abbott Architect	Abbott Architect	
		µU/ml = mIU/l	1.13	0.904	1.36	0.115	0.230	Access/LXi725 hyper TSH 3rd gen.	Access/LXi725 hyper TSH 3rd gen.	
		µU/ml = mIU/l	1.46	1.17	1.75	0.145	0.290	AutoBio CLIA	Autobio CLIA	
		µU/ml = mIU/l	1.12	0.896	1.34	0.110	0.220	Beckman Dxl 600/800 Access 2 (3rd IS)	Beckman DXI600/800/ Access 2 (3rd IS)	
		µU/ml = mIU/l	1.25	1.00	1.50	0.125	0.250	bioMerieux VIDAS TSH	Biomerieux VIDAS TSH	
		µU/ml = mIU/l	1.10	0.880	1.32	0.110	0.220	Ortho Vitros TSH	Ortho Vitros TSH	
		µU/ml = mIU/l	1.17	0.936	1.40	0.115	0.230	Ortho Vitros TSH3	Ortho Vitros TSH3	
		µU/ml = mIU/l	1.40	1.12	1.68	0.140	0.280	Roche Cobas 4000/E411	Roche Cobas 4000/e411	
Thyroid Stimulating Hormone	促甲状腺激素	µU/ml = mIU/l	1.40	1.12	1.68	0.140	0.280	Roche Cobas e402/e801	Roche Cobas e402/e801	
		µU/ml = mIU/l	1.36	1.09	1.63	0.135	0.270	Roche Cobas e601/602	Roche Cobas e601/ 602	
		µU/ml = mIU/l	1.36	1.09	1.63	0.135	0.270	Roche Elecsys	Roche Elecsys	
		µU/ml = mIU/l	1.10	0.880	1.32	0.110	0.220	Siemens Atellica IM	Siemens Atellica IM	
		µU/ml = mIU/l	1.12	0.896	1.34	0.110	0.220	Siemens Centaur	Siemens Centaur	
		µU/ml = mIU/l	1.09	0.872	1.31	0.110	0.220	Siemens Dimension ExL LOCI	Siemens Dimension Exl LOCI	
		µU/ml = mIU/l	1.17	0.936	1.40	0.115	0.230	SNIBE Maglumi 分析仪	SNIBE Maglumi analysers	
TIBC	总铁结合力(TIBC)	µg/dl	231	182	280	24.5	49.0	由转铁蛋白计算	Calculated from Transferrin	
		µmol/l	41.3	32.6	50.0	4.35	8.70			
		µg/dl	274	216	332	29.0	58.0	直接比色法	Direct Colorimetric	
		µmol/l	49.1	38.8	59.4	5.15	10.3			
		µg/dl	238	188	288	25.0	50.0	FE+UIBC (含铁饱和)	FE+UIBC(saturation with iron)	
		µmol/l	42.5	33.6	51.4	4.45	8.90			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
TIBC	总铁结合力(TIBC)	µg/dl	192	152	232	20.0	40.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		µmol/l	34.4	27.2	41.6	3.60	7.20			
		µg/dl	195	154	236	20.5	41.0	Ortho Vitros Microtip	Ortho Vitros Microtip	
		µmol/l	34.8	27.5	42.1	3.65	7.30			
		µg/dl	265	209	321	28.0	56.0	Randox 比色法	Randox Colorimetric	
		µmol/l	47.4	37.4	57.4	5.00	10.0			
Tobramycin	托普霉素	µg/ml	7.30	5.84	8.76	0.730	1.46	重量法	Gravimetric	
		µmol/l	15.6	12.5	18.7	1.55	3.10			
Total T3	总 T3	ng/dl	166	125	207	20.5	41.0	Abbott Architect	Abbott Architect	
		ng/ml	1.66	1.25	2.07	0.205	0.410			
		nmol/l	2.55	1.91	3.19	0.320	0.640			
Total T3	总 T3	ng/dl	207	155	259	26.0	52.0	Beckman Access/LXi725	Beckman Access/LXi725	
		ng/ml	2.08	1.56	2.60	0.260	0.520			
		nmol/l	3.19	2.39	3.99	0.400	0.800			
		ng/dl	196	147	245	24.5	49.0	bioMerieux VIDAS	bioMerieux, VIDAS	
		ng/ml	1.97	1.48	2.46	0.245	0.490			
		nmol/l	3.02	2.27	3.77	0.375	0.750			
		ng/dl	301	226	376	37.5	75.0	Ortho Vitros 3600/5600/ECi/XT/7600	Ortho Vitros 3600/5600/ECi/XT/7600	
		ng/ml	3.01	2.26	3.76	0.375	0.750			
		nmol/l	4.63	3.47	5.79	0.580	1.16			
		ng/dl	235	176	294	29.5	59.0	Roche Cobas 4000/E411	Roche Cobas 4000/e411	
		ng/ml	2.36	1.77	2.95	0.295	0.590			
		nmol/l	3.62	2.72	4.52	0.450	0.900			
		ng/dl	228	171	285	28.5	57.0	Roche Cobas e402/e801	Roche Cobas e402/e801	
		ng/ml	2.29	1.72	2.86	0.285	0.570			
		nmol/l	3.51	2.63	4.39	0.440	0.880			
		ng/dl	228	171	285	28.5	57.0	Roche Cobas e601/602	Roche Cobas e601/ 602	
		ng/ml	2.29	1.72	2.86	0.285	0.570			
		nmol/l	3.51	2.63	4.39	0.440	0.880			
		ng/dl	225	169	281	28.0	56.0	Siemens Centaur	Siemens Centaur	
		ng/ml	2.26	1.70	2.82	0.280	0.560			
		nmol/l	3.47	2.60	4.34	0.435	0.870			
		ng/dl	195	146	244	24.5	49.0	SNIBE Maglumi 分析仪	SNIBE Maglumi analysers	
		ng/ml	1.95	1.46	2.44	0.245	0.490			
		nmol/l	3.00	2.25	3.75	0.375	0.750			

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Total T4	总 T4	ng/ml	186	140	232	23.0	46.0	Abbott Architect	Abbott Architect
		nmol/l	239	179	299	30.0	60.0		
		µg/dl	18.6	14.0	23.2	2.30	4.60		
		ng/ml	215	161	269	27.0	54.0	Beckman Access/LXi725	Beckman Access/LXi725
		nmol/l	276	207	345	34.5	69.0		
		µg/dl	21.5	16.1	26.9	2.70	5.40		
		ng/ml	176	132	220	22.0	44.0	bioMerieux VIDAS	bioMerieux, VIDAS
		nmol/l	226	170	282	28.0	56.0		
		µg/dl	17.6	13.2	22.0	2.20	4.40		
		ng/ml	178	134	222	22.0	44.0	Ortho Vitros 3600/5600/ECi/XT 7600	Ortho Vitros 3600/5600/ECi/XT 7600
		nmol/l	228	171	285	28.5	57.0		
		µg/dl	17.8	13.4	22.2	2.20	4.40		
Total T4	总 T4	ng/ml	165	124	206	20.5	41.0	Roche Cobas 4000/E411	Roche Cobas 4000/e411
		nmol/l	211	158	264	26.5	53.0		
		µg/dl	16.5	12.4	20.6	2.05	4.10		
		ng/ml	169	127	211	21.0	42.0	Roche Cobas e402/e801	Roche Cobas e402/e801
		nmol/l	217	163	271	27.0	54.0		
		µg/dl	16.9	12.7	21.1	2.10	4.20		
		ng/ml	165	124	206	20.5	41.0	Roche Cobas e601/602	Roche Cobas e601/ 602
		nmol/l	211	158	264	26.5	53.0		
		µg/dl	16.5	12.4	20.6	2.05	4.10		
		ng/ml	201	151	251	25.0	50.0	Siemens Centaur	Siemens Centaur
		nmol/l	258	194	322	32.0	64.0		
		µg/dl	20.1	15.1	25.1	2.50	5.00		
		ng/ml	206	155	257	25.5	51.0	Siemens/DPC Immulite 2000/2500	Siemens/DPC Immulite 2000/2500
		nmol/l	264	198	330	33.0	66.0		
		µg/dl	20.6	15.5	25.7	2.55	5.10		
		ng/ml	172	129	215	21.5	43.0	SNIBE Maglumi 分析仪	SNIBE Maglumi analysers
		nmol/l	221	166	276	27.5	55.0		
		µg/dl	17.2	12.9	21.5	2.15	4.30		
		ng/ml	139	104	174	17.5	35.0	Thermo Scientific / Microgenics DRI	Thermo Scientific / Microgenics DRI
		nmol/l	178	134	222	22.0	44.0		
		µg/dl	13.9	10.4	17.4	1.75	3.50		

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE		货号 (Cat. No): HEI532	到期 (Expiry): 2028-09-28						
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Total T4	总 T4	ng/ml	158	119	197	19.5	39.0	Tosoh AIA Series	TOSOH AIA Series
		nmol/l	202	152	252	25.0	50.0		
		µg/dl	15.8	11.9	19.7	1.95	3.90		
Transferrin	转铁蛋白	g/l	1.62	1.30	1.94	0.160	0.320	免疫比浊法	Immunoturbidimetric
		mg/dl	162	130	194	16.0	32.0		
Triglycerides	甘油三酸酯	mg/dl	251	211	291	20.0	40.0	Abbott Alinity i	Abbott Alinity i
		mmol/l	2.84	2.39	3.29	0.225	0.450		
		mg/dl	251	211	291	20.0	40.0	Abbott Architect 甘油三酸酯 2	Abbott Architect Triglyceride 2
		mmol/l	2.84	2.39	3.29	0.225	0.450		
		mg/dl	262	220	304	21.0	42.0	脂肪酶/GK UV (无校正)	Lipase/GK UV, no correction
		mmol/l	2.96	2.49	3.43	0.235	0.470		
		mg/dl	259	218	300	20.5	41.0	脂肪酶/GK UV 0.11mmol/l 校正	Lipase/GK UV., 0.11 mmol/l correction
		mmol/l	2.93	2.46	3.40	0.235	0.470		
		mg/dl	260	218	302	21.0	42.0	脂肪酶/甘油脱氢酶	Lipase/Glycerol Dehydrogenase
		mmol/l	2.94	2.47	3.41	0.235	0.470		
		mg/dl	271	228	314	21.5	43.0	脂肪酶/GPO-PAP (无校正)	Lipase/GPO-PAP No Correction
		mmol/l	3.06	2.57	3.55	0.245	0.490		
Triglycerides	甘油三酸酯	mg/dl	261	219	303	21.0	42.0	脂肪酶/GPO-PAP 0.11mmol/l 校正	Lipase/GPO-PAP, 0.11 mmol/l correction
		mmol/l	2.95	2.48	3.42	0.235	0.470		
		mg/dl	306	257	355	24.5	49.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	3.46	2.91	4.01	0.275	0.550		
		mg/dl	250	210	290	20.0	40.0	Quidel Triage Meter Plus	Quidel Triage Meter Plus
		mmol/l	2.82	2.37	3.27	0.225	0.450		
		mg/dl	272	228	316	22.0	44.0	Siemens Atellica TRIG_2	Siemens Atellica TRIG_2
mmol/l	3.07	2.58	3.56	0.245	0.490				
mg/dl	259	218	300	20.5	41.0	Siemens Dimension	Siemens Dimension		
mmol/l	2.93	2.46	3.40	0.235	0.470				

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Urea	尿素	mg/dl	129	110	148	9.50	19.0	Abbott Architect 尿素氮 2	Abbott Architect Urea Nitrogen 2
		mg/dl (BUN)	60.2	51.2	69.2	4.50	9.00		
		mmol/l	21.5	18.3	24.7	1.60	3.20		
		mg/dl	118	100	136	9.00	18.0	Agappe - BERTHELOT	Agappe - BERTHELOT
		mg/dl (BUN)	54.9	46.7	63.1	4.10	8.20		
		mmol/l	19.6	16.7	22.5	1.45	2.90		
		mg/dl	123	105	141	9.00	18.0	Agappe Ultra Stik	Agappe Ultra Stik
		mg/dl (BUN)	57.4	48.8	66.0	4.30	8.60		
		mmol/l	20.5	17.4	23.6	1.55	3.10		
		mg/dl	126	107	145	9.50	19.0	贝克曼-电导率	Beckman - Conductivity
		mg/dl (BUN)	58.5	49.7	67.3	4.40	8.80		
		mmol/l	20.9	17.8	24.0	1.55	3.10		
		mg/dl	115	97.8	132	8.50	17.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mg/dl (BUN)	53.5	45.5	61.5	4.00	8.00		
		mmol/l	19.1	16.2	22.0	1.45	2.90		
		mg/dl	125	106	144	9.50	19.0	尿素酶次氯酸盐法	Urease - hypochlorite
		mg/dl (BUN)	58.2	49.5	66.9	4.35	8.70		
		mmol/l	20.8	17.7	23.9	1.55	3.10		
Uric Acid (Urate)	尿酸	mg/dl	125	106	144	9.50	19.0	脲酶终点法	Urease, end point
		mg/dl (BUN)	58.2	49.5	66.9	4.35	8.70		
		mmol/l	20.8	17.7	23.9	1.55	3.10		
		mg/dl	9.06	7.88	10.2	0.570	1.14	Abbott Alinity 尿酸 2	Abbott Alinity Uric Acid 2
		mmol/l	0.539	0.469	0.609	0.035	0.070		
		mg/dl	9.04	7.86	10.2	0.580	1.16	Abbott Architect 尿酸 2	Abbott Architect Uric Acid 2
		mmol/l	0.538	0.468	0.608	0.035	0.070		
		mg/dl	9.16	7.97	10.4	0.620	1.24	Agappe - URICASE - PAP	Agappe - URICASE - PAP
		mmol/l	0.545	0.474	0.616	0.036	0.071		
		mg/dl	9.71	8.45	11.0	0.645	1.29	Agappe - URICASE - TOPS	Agappe - URICASE - TOPS
		mmol/l	0.578	0.503	0.653	0.038	0.075		

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Uric Acid (Urate)	尿酸	mg/dl	9.21	8.01	10.4	0.595	1.19	Beckman AU Non US calibrator (66300)	Beckman AU Non US calibrator (66300)	
		mmol/l	0.548	0.477	0.619	0.036	0.071			
		mg/dl	9.03	7.86	10.2	0.585	1.17	Beckman AU US calibrator (DR0070)	Beckman AU US calibrator (DR0070)	
		mmol/l	0.537	0.467	0.607	0.035	0.070			
		mg/dl	8.71	7.58	9.84	0.565	1.13	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		mmol/l	0.518	0.451	0.585	0.034	0.067			
		mg/dl	9.04	7.86	10.2	0.580	1.16	尿酸酶 293nm	Uricase @ 293 nm	
		mmol/l	0.538	0.468	0.608	0.035	0.070			
		mg/dl	9.68	8.42	10.9	0.610	1.22	尿酸酶过氧化物酶比色法 (不含抗坏血酸氧化酶)	Uricase perox. no ascorb. ox.	
		mmol/l	0.576	0.501	0.651	0.038	0.075			
Vitamin B12	维生素 B12	mg/dl	9.11	7.93	10.3	0.595	1.19	尿酸酶过氧化物酶比色法 (含抗坏血酸氧化酶)	Uricase Perox. with ascorb. ox	
		mmol/l	0.542	0.472	0.612	0.035	0.070			
		mg/dl	9.14	7.95	10.3	0.580	1.16	尿酸酶过氧化物酶比色法 (含抗坏血酸氧化酶) @546nm	Uricase Perox. with ascorb. ox @ 546nm	
		mmol/l	0.544	0.473	0.615	0.036	0.071			
		mg/dl	9.03	7.86	10.2	0.585	1.17	尿酸酶过氧化氢酶比色法340nm	Uricase, catalase 340nm.	
		mmol/l	0.537	0.467	0.607	0.035	0.070			
Zinc	锌	pg/ml	335	268	402	33.5	67.0	Roche Cobas e402/e801	Roche Cobas e402/e801	
		pmol/l	247	198	296	24.5	49.0			
Zinc	锌	μg/dl	195	156	234	19.5	39.0	比色法 (去蛋白)	Colorimetric with deprot.	
		μmol/l	29.8	23.8	35.8	3.00	6.00			

Roche Cobas c501/c502			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)							
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28										
包装规格 (Size): 20 x 5ml			Range		范围					
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method	
Albumin	白蛋白	g/dl	3.19	2.71	3.67	0.240	0.480	溴甲酚绿	Bromocresol Green	
		g/l	31.9	27.1	36.7	2.40	4.80			
		g/dl	3.10	2.64	3.56	0.230	0.460	溴甲酚紫	Bromocresol Purple	
		g/l	31.0	26.4	35.6	2.30	4.60			
		g/dl	2.97	2.52	3.42	0.225	0.450	比浊法	Turbidimetric Assays	
		g/l	29.7	25.2	34.2	2.25	4.50			
Alkaline Phosphatase	碱性磷酸酶	U/l	315	268	362	23.5	47.0	IFCC推荐AMP	AMP optimised to IFCC	
		U/l	321	273	369	24.0	48.0	比色法	Colorimetric	
		U/l	320	272	368	24.0	48.0	Roche AMP 缓冲液 IFCC	Roche AMP buffer IFCC	
ALT (GPT)	丙氨酸氨基转移酶	U/l	144	115	173	14.5	29.0	Tris缓冲液 (含PSP)	Tris Buffer With PSP	
		U/l	141	113	169	14.0	28.0	Tris缓冲液 (不含PSP)	Tris Buffer Without PSP	
Amylase Pancreatic	胰淀粉酶	U/l	217	184	250	16.5	33.0	免疫抑制EPS底物法	Immunoinhibition, EPS substrate	
		U/l	218	185	251	16.5	33.0	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7	
Amylase Total	淀粉酶	U/l	244	207	281	18.5	37.0	BM/Roche 比色 pNPG7	BM/Roche, Colorimetric pNPG7	
		U/l	244	207	281	18.5	37.0	罗氏其他2氯对硝基苯麦芽七糖苷法	Other Roche 2-chloro-pNPG7	
		U/l	246	209	283	18.5	37.0	Randox 液体亚乙基 pNPG7	Randox Liquid Ethylidene pNPG7	
		U/l	243	207	279	18.0	36.0	Roche Integra 2-氯-pNPG7	Roche Integra 2-chloro-pNPG7	
		U/l	244	207	281	18.5	37.0	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7	
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	154	123	185	15.5	31.0	Tris缓冲液 (含PSP)	Tris Buffer With PSP	
		U/l	125	100	150	12.5	25.0	Tris缓冲液 (不含PSP)	Tris Buffer Without PSP	
Bicarbonate	碳酸氢盐	mmol/l	13.1	10.4	15.8	1.35	2.70	比色法	Colorimetric	
		mmol/l	12.9	10.2	15.6	1.35	2.70	酶法	Enzymatic	
		mmol/l	12.9	10.2	15.6	1.35	2.70	PEP羧化酶	PEP Carboxylase	
Bile Acids	胆汁酸	μmol/l	47.6	38.1	57.1	4.75	9.50	酶比色法 - Sentinel	Enzymatic Colorimetric - Sentinel	
Bilirubin Direct	直接胆红素	mg/dl	1.75	1.38	2.12	0.185	0.370	重氮与二氯苯胺	Diazo with Dichloroaniline	
		μmol/l	29.9	23.6	36.2	3.15	6.30			
		mg/dl	1.74	1.37	2.11	0.185	0.370	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid	
		μmol/l	29.8	23.5	36.1	3.15	6.30			
		mg/dl	1.75	1.38	2.12	0.185	0.370	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium	
		μmol/l	29.9	23.6	36.2	3.15	6.30			
		mg/dl	1.74	1.37	2.11	0.185	0.370	Roche DPD JG 标准化	Roche DPD JG standardised	
		μmol/l	29.7	23.5	35.9	3.10	6.20			

Roche Cobas c501/c502			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Bilirubin Total	总胆红素	mg/dl	4.49	3.55	5.43	0.470	0.940	重氮与二氯苯胺	Diazo With Dichloroaniline
		μmol/l	76.7	60.6	92.8	8.05	16.1		
		mg/dl	4.48	3.54	5.42	0.470	0.940	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid
		μmol/l	76.6	60.5	92.7	8.05	16.1		
		mg/dl	4.51	3.56	5.46	0.475	0.950	重氮离子法	Diazonium Ion
		μmol/l	77.1	60.9	93.3	8.10	16.2		
Bilirubin Total	总胆红素	mg/dl	4.49	3.55	5.43	0.470	0.940	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium
		μmol/l	76.7	60.6	92.8	8.05	16.1		
Calcium	钙	mg/dl	12.0	10.8	13.2	0.600	1.20	偶氮砷Ⅲ法	Arsenazo III
		mmol/l	2.99	2.69	3.29	0.150	0.300		
		mg/dl	12.1	10.9	13.3	0.600	1.20	甲酚酞络合剂比色法	Cresolphthalein Complexone
		mmol/l	3.02	2.72	3.32	0.150	0.300		
		mg/dl	12.1	10.9	13.3	0.600	1.20	NM-BAPTA	NM-BAPTA
		mmol/l	3.01	2.71	3.31	0.150	0.300		
Chloride	氯	mmol/l	107	98.4	116	4.50	9.00	离子选择性电极-直接法	ISE Direct
		mmol/l	108	99.4	117	4.50	9.00	离子选择性电极-间接法	ISE Indirect
Cholesterol	胆固醇	mg/dl	285	248	322	18.5	37.0	胆固醇氧化酶 - Abell Kendall	Cholesterol Oxidase - Abell Kendall
		mmol/l	7.38	6.42	8.34	0.480	0.960		
		mg/dl	284	247	321	18.5	37.0	胆固醇氧化酶 - IDMS	Cholesterol Oxidase - IDMS
		mmol/l	7.36	6.40	8.32	0.480	0.960		
Cholinesterase	胆碱脂酶	U/l	5285	4228	6342	529	1057	苯甲酰胆碱比色法	Colorimetric - Benzoylcholine
		U/l	5351	4281	6421	535	1070	硫代丁酰胆碱比色法	Colorimetric - Butyrylthiocholine
CK Total	肌酸激酶 (总)	U/l	519	426	612	46.5	93.0	肌酸激酶-NAC (IFCC)	CK-NAC (IFCC)
		U/l	518	425	611	46.5	93.0	肌酸激酶-NAC 样本启动 (DGKC)	CK-NAC serum start (DGKC)
		U/l	519	426	612	46.5	93.0	肌酸激酶-NAC 底物启动 (DGKC)	CK-NAC substrate start (DGKC)
		U/l	521	427	615	47.0	94.0	磷酸肌酸 底物启动	Creatine Phosphate Substrate Start

Roche Cobas c501/c502			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Creatinine	肌酐	mg/dl	4.24	3.39	5.09	0.425	0.850	碱性苦味酸盐法 (未去蛋白)	Alkaline picrate no deproteinisation
		μmol/l	375	300	450	37.5	75.0		
		mg/dl	4.44	3.55	5.33	0.445	0.890	酶法	Enzymatic
		μmol/l	393	314	472	39.5	79.0		
		mg/dl	4.20	3.36	5.04	0.420	0.840	抑制速率法	Jaffe Rate Blanked
		μmol/l	372	298	446	37.0	74.0		
		mg/dl	4.20	3.36	5.04	0.420	0.840	竞争速率法(-26 μmol/l)	Jaffe rate blanked comp. (-26μmol/l)
Free T4	游离 T4	μmol/l	372	298	446	37.0	74.0		
		mg/dl	4.25	3.40	5.10	0.425	0.850	代偿速率法(-18 umol/l)	Jaffe rate comp. (-18umol/l)
		μmol/l	376	301	451	37.5	75.0		
		mg/dl	4.37	3.50	5.24	0.435	0.870	罗氏肌酐Plus	Roche Creatinine Plus
		μmol/l	387	310	464	38.5	77.0		
		ng/dl	5.44	4.08	6.80	0.680	1.36	Roche Cobas e601/602	Roche Cobas e601/ 602
		pg/ml	54.4	40.8	68.0	6.80	13.6		
gamma-GT	谷氨酰转移酶 (GGT)	pmol/l	69.8	52.4	87.2	8.70	17.4		
		U/l	152	129	175	11.5	23.0	γ-谷氨酰-3-羧基-4-硝基苯胺	Gamma glut.-3-carb.-4-nitro.
		U/l	166	141	191	12.5	25.0	DCL γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC)	Gamma glut'3-carb'4-nitro(IFCC)
Glucose	葡萄糖	U/l	165	140	190	12.5	25.0	γ-谷氨酰-4-硝基苯胺	Gamma Glutamyl-4-Nitroanilide
		mg/dl	276	235	317	20.5	41.0	葡萄糖脱氢酶法	Glucose Dehydrogenase
		mmol/l	15.3	13.0	17.6	1.15	2.30		
		mg/dl	274	233	315	20.5	41.0	葡萄糖氧化酶法	Glucose Oxidase
		mmol/l	15.2	12.9	17.5	1.15	2.30		
		mg/dl	274	233	315	20.5	41.0	己糖激酶法	Hexokinase
		mmol/l	15.2	12.9	17.5	1.15	2.30		
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	105	89.3	121	8.00	16.0	直接高密度脂蛋白免疫分离法	Direct HDL, Immunoseparation
		mmol/l	2.72	2.31	3.13	0.205	0.410		
		mg/dl	113	96.1	130	8.50	17.0	直接高密度脂蛋白PEGME法	Direct HDL, PEGME
		mmol/l	2.93	2.49	3.37	0.220	0.440		
		mg/dl	110	93.5	127	8.50	17.0	直接高密度脂蛋白PPD法	Direct HDL, PPD
		mmol/l	2.86	2.43	3.29	0.215	0.430		
		mg/dl	110	93.5	127	8.50	17.0	直接高密度脂蛋白罗氏第4代	Direct HDL, Roche 4th gen.
		mmol/l	2.86	2.43	3.29	0.215	0.430		

Roche Cobas c501/c502			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Iron	铁	µg/dl	225	185	265	20.0	40.0	比色法 (含ppt.)	Colorimetric with ppt.
		µmol/l	40.3	33.0	47.6	3.65	7.30		
		µg/dl	225	185	265	20.0	40.0	比色法 (不含ppt.)	Colorimetric without ppt.
		µmol/l	40.3	33.0	47.6	3.65	7.30		
Lactate	乳酸	mg/dl	49.1	40.3	57.9	4.40	8.80	乳酸氧化酶比色法	Colorimetric - Lactate oxidase
		mmol/l	5.45	4.47	6.43	0.490	0.980		
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	344	292	396	26.0	52.0	L->P, (IFCC)	L to P, IFCC
		U/l	343	292	394	25.5	51.0	L->P	Lactate to Pyruvate methods
Lipase	脂肪酶	U/l	79	63	95	8.00	16.0	罗氏比色法	Colorimetric Roche
		U/l	79	63	95	8.00	16.0	其他比色法	Other Colorimetric
		U/l	77	62	92	7.50	15.0	罗氏脂肪酶比浊法	Roche Turbidimetric with colipase
Lithium	锂	mg/dl	1.41	1.24	1.58	0.085	0.170	分光光度法	Spectrophotometric
		mmol/l	2.03	1.79	2.27	0.120	0.240		
Magnesium	镁	mg/dl	4.30	3.78	4.82	0.260	0.520	偶氮砷III法	Arsenazo III
		mmol/l	1.77	1.56	1.98	0.105	0.210		
		mg/dl	4.28	3.77	4.79	0.255	0.510	原子吸收法	Atomic Absorption
		mmol/l	1.76	1.55	1.97	0.105	0.210		
		mg/dl	4.28	3.77	4.79	0.255	0.510	偶氮氯膦III法	Chlorphosphonazo III
		mmol/l	1.76	1.55	1.97	0.105	0.210		
		mg/dl	4.16	3.66	4.66	0.250	0.500	酶法	Enzymatic
		mmol/l	1.71	1.50	1.92	0.105	0.210		
		mg/dl	4.28	3.77	4.79	0.255	0.510	二甲苯胺蓝法	Xylidyl Blue
		mmol/l	1.76	1.55	1.97	0.105	0.210		
Osmolality	摩尔渗透压浓度	mOsm/ Kg	345	276	414	34.5	69.0	计算	Calculated
Phosphate Inorganic	无机磷	mg/dl	6.97	5.92	8.02	0.525	1.05	磷钼酸盐酶法	Phosphomolybdate Enzymatic
		mmol/l	2.25	1.91	2.59	0.170	0.340		
		mg/dl	6.91	5.87	7.95	0.520	1.04	磷钼酸盐紫外线法	Phosphomolybdate UV
		mmol/l	2.23	1.90	2.56	0.165	0.330		
Potassium	钾	mmol/l	6.15	5.66	6.64	0.245	0.490	离子选择性电极-直接法	ISE method - direct
		mmol/l	6.15	5.66	6.64	0.245	0.490	离子选择性电极-间接法	ISE method - indirect
Protein Total	总蛋白	g/dl	4.54	3.63	5.45	0.455	0.910	双缩脲反应终点法	Biuret reaction, end point
		g/l	45.4	36.3	54.5	4.55	9.10		
		g/dl	4.53	3.62	5.44	0.455	0.910	双缩脲反应动力学法	Biuret reaction, kinetic
		g/l	45.3	36.2	54.4	4.55	9.10		

Roche Cobas c501/c502			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
PSA Total	总前列腺特异抗原 (tPSA)	ng/ml = µg/l	20.5	15.4	25.6	2.55	5.10	Roche Cobas e601/602	Roche Cobas e601/602
Sodium	钠	mmol/l	158	150	166	4.00	8.00	离子选择性电极-直接法	ISE method - direct
		mmol/l	157	149	165	4.00	8.00	离子选择性电极-间接法	ISE method - indirect
Thyroid Stimulating Hormone	促甲状腺激素	µU/ml = mIU/l	1.36	1.09	1.63	0.135	0.270	Roche Cobas e601/602	Roche Cobas e601/ 602
TIBC	总铁结合力(TIBC)	µg/dl	231	182	280	24.5	49.0	FE+UIBC (含铁饱和)	FE+UIBC(saturation with iron)
		µmol/l	41.4	32.7	50.1	4.35	8.70		
Triglycerides	甘油三酸酯	mg/dl	261	219	303	21.0	42.0	脂肪酶/GK UV (无校正)	Lipase/GK UV. no correction
		mmol/l	2.95	2.48	3.42	0.235	0.470		
		mg/dl	258	217	299	20.5	41.0	脂肪酶/GK UV 0.11mmol/l 校正	Lipase/GK UV., 0.11 mmol/l correction
		mmol/l	2.92	2.45	3.39	0.235	0.470		
		mg/dl	261	219	303	21.0	42.0	脂肪酶/甘油脱氢酶	Lipase/Glycerol Dehydrogenase
		mmol/l	2.95	2.48	3.42	0.235	0.470		
		mg/dl	261	219	303	21.0	42.0	脂肪酶/GPO-PAP (无校正)	Lipase/GPO-PAP No Correction
		mmol/l	2.95	2.48	3.42	0.235	0.470		
Urea	尿素	mg/dl	263	221	305	21.0	42.0	脂肪酶/GPO-PAP 0.11mmol/l 校正	Lipase/GPO-PAP, 0.11 mmol/l correction
		mmol/l	2.97	2.49	3.45	0.240	0.480		
		mg/dl	126	107	145	9.50	19.0	脲酶终点法	Urease, end point
		mg/dl (BUN)	58.5	49.7	67.3	4.40	8.80		
		mmol/l	20.9	17.8	24.0	1.55	3.10		
		mg/dl	126	107	145	9.50	19.0	脲酶动力学法	Urease, kinetic
		mg/dl (BUN)	58.8	50.0	67.6	4.40	8.80		
		mmol/l	21.0	17.9	24.1	1.55	3.10		
Uric Acid (Urate)	尿酸	mg/dl	8.81	7.66	9.96	0.575	1.15	尿酸酶过氧化物酶比色法	Uricase perox. no ascorb. ox.
		mmol/l	0.524	0.456	0.592	0.034	0.068	(不含抗坏血酸氧化酶)	
Uric Acid (Urate)	尿酸	mg/dl	8.86	7.71	10.0	0.570	1.14	尿酸酶过氧化物酶比色法	Uricase Perox. with ascorb. ox
		mmol/l	0.527	0.458	0.596	0.035	0.069	(含抗坏血酸氧化酶)	
		mg/dl	8.87	7.72	10.0	0.565	1.13	尿酸酶过氧化物酶比色法	Uricase Perox. with ascorb. ox @ 546nm
		mmol/l	0.528	0.459	0.597	0.035	0.069	(含抗坏血酸氧化酶) @546nm	
		mg/dl	8.89	7.73	10.1	0.605	1.21	尿酸酶过氧化物酶比色法340nm	Uricase, catalase 340nm.
		mmol/l	0.529	0.460	0.598	0.035	0.069		
Zinc	锌	µg/dl	198	158	238	20.0	40.0	比色法 (去蛋白)	Colorimetric with deprot.
		µmol/l	30.3	24.2	36.4	3.05	6.10		
		µg/dl	212	170	254	21.0	42.0	比色法 (未去蛋白)	Colorimetric without deprot.
		µmol/l	32.5	26.0	39.0	3.25	6.50		

Siemens Atellica Solution			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Albumin	白蛋白	g/dl	3.02	2.57	3.47	0.225	0.450	溴甲酚绿	Bromocresol Green
		g/l	30.2	25.7	34.7	2.25	4.50		
		g/dl	2.88	2.45	3.31	0.215	0.430	溴甲酚紫	Bromocresol Purple
		g/l	28.8	24.5	33.1	2.15	4.30		
Alkaline Phosphatase	碱性磷酸酶	U/l	310	264	356	23.0	46.0	IFCC推荐AMP	AMP optimised to IFCC
		U/l	309	263	355	23.0	46.0	Siemens/Dade Dimension AMP缓冲液	Siemens/Dade Dimension AMP buffer
ALT (GPT)	丙氨酸氨基转移酶	U/l	163	130	196	16.5	33.0	乳酸脱氢酶 (LDH) - JSCC	LDH - JSCC
		U/l	164	131	197	16.5	33.0	Siemens Dade标准非IFCC相关	Siemens/Dade standard nonIFCC correlated
		U/l	159	127	191	16.0	32.0	Tris缓冲液 (含PSP)	Tris Buffer With PSP
		U/l	163	130	196	16.5	33.0	Tris缓冲液 (不含PSP)	Tris Buffer Without PSP
Amylase Pancreatic	胰淀粉酶	U/l	258	219	297	19.5	39.0	免疫抑制EPS底物法	Immunoinhibition, EPS substrate
		U/l	256	218	294	19.0	38.0	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7
Amylase Total	淀粉酶	U/l	283	241	325	21.0	42.0	Siemens 阻断 pNPG7	Siemens - blocked pNPG7
		U/l	282	240	324	21.0	42.0	Siemens/Dade Behring 2-氯-pNPG3	Siemens/Dade Behring 2-chloro-pNPG3
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	138	110	166	14.0	28.0	Siemens Dade标准非IFCC相关	Siemens/Dade standard non IFCC corr.
		U/l	153	122	184	15.5	31.0	Tris缓冲液 (含PSP)	Tris Buffer With PSP
		U/l	138	110	166	14.0	28.0	Tris缓冲液 (不含PSP)	Tris Buffer Without PSP
Bicarbonate	碳酸氢盐	mmol/l	14.2	11.3	17.1	1.45	2.90	酶法	Enzymatic
		mmol/l	15.4	12.2	18.6	1.60	3.20	PEP羧化酶	PEP Carboxylase
Bile Acids	胆汁酸	μmol/l	43.1	34.5	51.7	4.30	8.60	酶比色法	Enzymatic Colorimetric
		μmol/l	44.4	35.5	53.3	4.45	8.90	酶比色法 - Sentinel	Enzymatic Colorimetric - Sentinel
Bilirubin Direct	直接胆红素	mg/dl	1.78	1.41	2.15	0.185	0.370	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate
		μmol/l	30.4	24.0	36.8	3.20	6.40		
Bilirubin Total	总胆红素	mg/dl	4.71	3.72	5.70	0.495	0.990	重氮与二氯苯胺	Diazo With Dichloroaniline
		μmol/l	80.5	63.6	97.4	8.45	16.9		
		mg/dl	5.52	4.36	6.68	0.580	1.16	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid
		μmol/l	94.3	74.5	114	9.85	19.7		
		mg/dl	5.53	4.37	6.69	0.580	1.16	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate
		μmol/l	94.5	74.7	114	9.75	19.5		
Calcium	钙	mg/dl	12.2	11.0	13.4	0.600	1.20	偶氮砷III法	Arsenazo III
		mmol/l	3.04	2.74	3.34	0.150	0.300		
		mg/dl	12.3	11.1	13.5	0.600	1.20	甲酚酞络合剂比色法	Cresolphthalein Complexone
		mmol/l	3.07	2.76	3.38	0.155	0.310		

Siemens Atellica Solution			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Chloride	氯	mmol/l	113	104	122	4.50	9.00	离子选择性电极-直接法	ISE Direct
		mmol/l	114	105	123	4.50	9.00	离子选择性电极-间接法	ISE Indirect
Cholesterol	胆固醇	mg/dl	293	255	331	19.0	38.0	胆固醇氧化酶 - Abell Kendall	Cholesterol Oxidase - Abell Kendall
		mmol/l	7.59	6.60	8.58	0.495	0.990		
		mg/dl	292	254	330	19.0	38.0	胆固醇氧化酶 - IDMS	Cholesterol Oxidase - IDMS
		mmol/l	7.55	6.57	8.53	0.490	0.980		
Cholesterol	胆固醇	mg/dl	290	252	328	19.0	38.0	Siemens Dimension	Siemens Dimension
		mmol/l	7.52	6.54	8.50	0.490	0.980		
Cholinesterase	胆碱脂酶	U/l	7969	6375	9563	797	1594	硫代丁酰胆碱比色法	Colorimetric - Butyrylthiocholine
		U/l	8128	6502	9754	813	1626	Siemens Atellica 胆碱脂酶_2	Siemens Atellica Cholinesterase_2
CK Total	肌酸激酶 (总)	U/l	520	426	614	47.0	94.0	肌酸激酶-NAC (IFCC)	CK-NAC (IFCC)
		U/l	522	428	616	47.0	94.0	磷酸肌酸 底物启动	Creatine Phosphate Substrate Start
Creatinine	肌酐	mg/dl	4.16	3.33	4.99	0.415	0.830	碱性苦味酸盐法 (未去蛋白)	Alkaline picrate no deproteinisation
		μmol/l	368	294	442	37.0	74.0		
		mg/dl	4.23	3.38	5.08	0.425	0.850	碱性苦味酸盐法 (去蛋白)	Alkaline Picrate With Deproteinisation
		μmol/l	374	299	449	37.5	75.0		
		mg/dl	4.38	3.50	5.26	0.440	0.880	酶法	Enzymatic
		μmol/l	388	310	466	39.0	78.0		
		mg/dl	4.24	3.39	5.09	0.425	0.850	可追溯至同位素稀释质谱法 (IDMS)	IDMS Traceable
		μmol/l	375	300	450	37.5	75.0		
Free T4	游离 T4	mg/dl	5.63	4.22	7.04	0.705	1.41	Siemens Atellica IM	Siemens Atellica IM
		pg/ml	56.3	42.2	70.4	7.05	14.1		
		pmol/l	72.2	54.2	90.2	9.00	18.0		
gamma-GT	谷氨酰转移酶 (GGT)	U/l	169	144	194	12.5	25.0	γ-谷氨酰-3-羧基-4-硝基苯胺	Gamma glut.-3-carb.-4-nitro.
		U/l	166	141	191	12.5	25.0	DCI γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC)	Gamma glut'3-carb'4-nitro(IFCC)
		U/l	160	136	184	12.0	24.0	Siemens Dimension	Siemens Dimension
Glucose	葡萄糖	mg/dl	274	233	315	20.5	41.0	葡萄糖氧化酶法	Glucose Oxidase
		mmol/l	15.2	12.9	17.5	1.15	2.30		
		mg/dl	272	231	313	20.5	41.0	己糖激酶法	Hexokinase
		mmol/l	15.1	12.8	17.4	1.15	2.30		

Siemens Atellica Solution			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HEI532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml				Range	范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	98.1	83.4	113	7.45	14.9	直接清除法	Direct HDL, Clearance method
		mmol/l	2.54	2.16	2.92	0.190	0.380		
		mg/dl	99.2	84.3	114	7.40	14.8	高密度脂蛋白胆固醇测定试剂盒	HDL Ultra/Accel Selective Detergent
		mmol/l	2.57	2.18	2.96	0.195	0.390	(均相测定法)	
Iron	铁	µg/dl	224	184	264	20.0	40.0	比色法 (含ppt.)	Colorimetric with ppt.
		µmol/l	40.1	32.9	47.3	3.60	7.20		
		µg/dl	224	184	264	20.0	40.0	比色法 (不含ppt.)	Colorimetric without ppt.
		µmol/l	40.0	32.8	47.2	3.60	7.20		
Lactate	乳酸	mg/dl	48.5	39.8	57.2	4.35	8.70	乳酸氧化酶比色法	Colorimetric - Lactate oxidase
		mmol/l	5.38	4.41	6.35	0.485	0.970		
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	338	287	389	25.5	51.0	L->P Siemens/Dade, 非 IFCC	L to P Siemens/Dade, non-IFCC
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	337	286	388	25.5	51.0	L->P, (IFCC)	L to P, IFCC
		U/l	336	286	386	25.0	50.0	L->P	Lactate to Pyruvate methods
Lipase	脂肪酶	U/l	87	70	104	8.50	17.0	比色法 Siemens Dimension (LIP Kit)	Colorimetric Dimension (LIP Kit)
		U/l	84	67	101	8.50	17.0	其他比色法	Other Colorimetric
Lithium	锂	mg/dl	1.41	1.24	1.58	0.085	0.170	分光光度法	Spectrophotometric
		mmol/l	2.03	1.79	2.27	0.120	0.240		
Magnesium	镁	mg/dl	4.28	3.77	4.79	0.255	0.510	甲基百里酚蓝	Methylthymol Blue
		mmol/l	1.76	1.55	1.97	0.105	0.210		
		mg/dl	4.30	3.78	4.82	0.260	0.520	二甲苯胺蓝法	Xylidyl Blue
		mmol/l	1.77	1.56	1.98	0.105	0.210		
Osmolality	摩尔渗透压浓度	mOsm/ Kg	346	277	415	34.5	69.0	计算	Calculated
Phosphate Inorganic	无机磷	mg/dl	7.13	6.06	8.20	0.535	1.07	磷钼酸盐酶法	Phosphomolybdate Enzymatic
		mmol/l	2.30	1.96	2.64	0.170	0.340		
		mg/dl	7.19	6.11	8.27	0.540	1.08	磷钼酸盐紫外线法	Phosphomolybdate UV
		mmol/l	2.32	1.97	2.67	0.175	0.350		
Potassium	钾	mmol/l	6.06	5.58	6.54	0.240	0.480	离子选择性电极-直接法	ISE method - direct
		mmol/l	6.05	5.57	6.53	0.240	0.480	离子选择性电极-间接法	ISE method - indirect
Protein Total	总蛋白	g/dl	4.61	3.69	5.53	0.460	0.920	双缩脲反应终点法	Biuret reaction, end point
		g/l	46.1	36.9	55.3	4.60	9.20		
		g/dl	4.69	3.75	5.63	0.470	0.940	双缩脲反应动力学法	Biuret reaction, kinetic
		g/l	46.9	37.5	56.3	4.70	9.40		
PSA Total	总前列腺特异抗原 (tPSA)	ng/ml = µg/l	19.1	14.3	23.9	2.40	4.80	Siemens Atellica IM	Siemens Atellica IM

Siemens Atellica Solution			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE 货号 (Cat. No): HE1532 到期 (Expiry): 2028-09-28									
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Sodium	钠	mmol/l	157	149	165	4.00	8.00	离子选择性电极-直接法	ISE method - direct
		mmol/l	157	149	165	4.00	8.00	离子选择性电极-间接法	ISE method - indirect
Thyroid Stimulating Hormone	促甲状腺激素	μU/ml = mIU/l	1.10	0.880	1.32	0.110	0.220	Siemens Atellica IM	Siemens Atellica IM
TIBC	总铁结合力(TIBC)	μg/dl	259	205	313	27.0	54.0	由转铁蛋白计算	Calculated from Transferrin
		μmol/l	46.4	36.7	56.1	4.85	9.70		
		μg/dl	266	210	322	28.0	56.0	直接比色法	Direct Colorimetric
		μmol/l	47.5	37.5	57.5	5.00	10.0		
		μg/dl	262	207	317	27.5	55.0	FE+UIBC (含铁饱和)	FE+UIBC(saturation with iron)
		μmol/l	46.9	37.1	56.7	4.90	9.80		
Total T3	总 T3	ng/dl	233	175	291	29.0	58.0	Siemens Atellica IM	Siemens Atellica IM
		ng/ml	2.34	1.76	2.92	0.290	0.580		
		nmol/l	3.59	2.69	4.49	0.450	0.900		
Total T4	总 T4	ng/ml	179	134	224	22.5	45.0	Siemens Atellica IM	Siemens Atellica IM
		nmol/l	229	172	286	28.5	57.0		
		μg/dl	17.9	13.4	22.4	2.25	4.50		
Triglycerides	甘油三酸酯	mg/dl	273	229	317	22.0	44.0	脂肪酶/GK UV (无校正)	Lipase/GK UV, no correction
		mmol/l	3.08	2.59	3.57	0.245	0.490		
		mg/dl	268	225	311	21.5	43.0	脂肪酶/甘油脱氢酶	Lipase/Glycerol Dehydrogenase
		mmol/l	3.03	2.55	3.51	0.240	0.480		
		mg/dl	271	228	314	21.5	43.0	脂肪酶/GPO-PAP (无校正)	Lipase/GPO-PAP No Correction
		mmol/l	3.06	2.57	3.55	0.245	0.490		
Urea	尿素	mg/dl	127	108	146	9.50	19.0	尿素酶次氯酸盐法	Urease - hypochlorite
		mg/dl (BUN)	59.4	50.5	68.3	4.45	8.90		
		mmol/l	21.2	18.0	24.4	1.60	3.20		
		mg/dl	129	110	148	9.50	19.0	脲酶终点法	Urease, end point
		mg/dl (BUN)	59.9	50.9	68.9	4.50	9.00		
		mmol/l	21.4	18.2	24.6	1.60	3.20		
		mg/dl	128	109	147	9.50	19.0	脲酶动力学法	Urease, kinetic
		mg/dl (BUN)	59.6	50.7	68.5	4.45	8.90		
		mmol/l	21.3	18.1	24.5	1.60	3.20		

Siemens Atellica Solution			HUMAN ASSAYED MULTI-SERA - LEVEL 3 (HUM ASY CONTROL 3) 质控血清 (水平3)						
批号 (Lot. No): I426UE		货号 (Cat. No): HEI532	到期 (Expiry): 2028-09-28						
包装规格 (Size): 20 x 5ml			Range		范围				
Analyte	分析项目	Unit 单位	Target 靶值	Low 低值	High 高值	ISD	2SD	方法	Method
Uric Acid (Urate)	尿酸	mg/dl	9.18	7.99	10.4	0.610	1.22	尿酸酶 293nm	Uricase @ 293 nm
		mmol/l	0.546	0.475	0.617	0.036	0.071		
		mg/dl	9.28	8.07	10.5	0.610	1.22	尿酸酶过氧化物酶比色法	Uricase perox. no ascorb. ox.
		mmol/l	0.552	0.480	0.624	0.036	0.072	(不含抗坏血酸氧化酶)	
		mg/dl	9.33	8.12	10.5	0.585	1.17	尿酸酶过氧化物酶比色法	Uricase Perox. with ascorb. ox
		mmol/l	0.555	0.483	0.627	0.036	0.072	(含抗坏血酸氧化酶)	
		mg/dl	9.28	8.07	10.5	0.610	1.22	尿酸酶过氧化物酶比色法	Uricase Perox. with ascorb. ox @ 546nm
		mmol/l	0.552	0.480	0.624	0.036	0.072	(含抗坏血酸氧化酶) @546nm	
		mg/dl	9.24	8.04	10.4	0.580	1.16	尿酸酶过氧化氢酶比色法340nm	Uricase, catalase 340nm.
		mmol/l	0.550	0.479	0.621	0.036	0.071		