

【英文名称】: ASSAYED HUMAN SERA LEVEL 2 (HUMASY CONTROL 2)

【中文名称】: 质控血清（水平 2）

【货号】 (CAT. NUMBER):	HNI530	【批号】 (LOT NUMBER):	I782UN
【包装规格】 (SIZE):	20 x 5 mL	【到期】 (EXPIRY):	2028-12-28

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: 21 Mar '25 me

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)								
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28										
包装规格 (Size): 20 x 5ml										
Analyte	分析项目	Unit 单位	Range 范围			ISD	2SD	方法	Method	
			Target 靶值	Low 低值	High 高值					
Albumin	白蛋白	g/dl	3.87	3.29	4.45	0.290	0.580	Abbott Alinity 白蛋白 溴甲酚绿 2	Abbott Alinity Albumin BCG 2	
		g/l	38.7	32.9	44.5	2.90	5.80			
		g/dl	3.74	3.18	4.30	0.280	0.560	Abbott Alinity 白蛋白 溴甲酚紫 2	Abbott Alinity Albumin BCP 2	
		g/l	37.4	31.8	43.0	2.80	5.60			
		g/dl	3.86	3.28	4.44	0.290	0.580	Abbott Architect 白蛋白 溴甲酚绿 2	Abbott Architect Albumin BCG 2	
		g/l	38.6	32.8	44.4	2.90	5.80			
		g/dl	3.94	3.35	4.53	0.295	0.590	溴甲酚绿	Bromocresol Green	
		g/l	39.4	33.5	45.3	2.95	5.90			
		g/dl	3.97	3.37	4.57	0.300	0.600	溴甲酚紫	Bromocresol Purple	
		g/l	39.7	33.7	45.7	3.00	6.00			
g/dl	4.01	3.41	4.61	0.300	0.600	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems			
g/l	40.1	34.1	46.1	3.00	6.00					
g/dl	3.77	3.20	4.34	0.285	0.570	比浊法	Turbidimetric Assays			
g/l	37.7	32.0	43.4	2.85	5.70					
Alkaline Phosphatase	碱性磷酸酶	U/l	200	170	230	15.0	30.0	Abbott Alinity 碱性磷酸酶 2	Abbott Alinity Alkaline Phosphatase 2	
		U/l	200	170	230	15.0	30.0	Abbott Architect 碱性磷酸酶 2	Abbott Architect Alkaline Phosphatase 2	
		U/l	193	164	222	14.5	29.0	非推荐AMP	AMP non-optimised	
		U/l	195	166	224	14.5	29.0	IFCC推荐AMP	AMP optimised to IFCC	
		U/l	207	176	238	15.5	31.0	Beckman AMP (校准)	Beckman AMP (Calibrator)	
		U/l	179	152	206	13.5	27.0	比色法	Colorimetric	
		U/l	271	230	312	20.5	41.0	二乙醇胺 (DEA)缓冲液	Diethanolamine buffer, DEA	
		U/l	174	148	200	13.0	26.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	176	150	202	13.0	26.0	Roche AMP 缓冲液 IFCC	Roche AMP buffer IFCC	
U/l	187	159	215	14.0	28.0	Siemens/Dade Dimension AMP缓冲液	Siemens/Dade Dimension AMP buffer			
ALT (GPT)	丙氨酸氨基转移酶	U/l	36	29	43	3.50	7.00	Abbott Alinity 丙氨酸氨基转移酶 2	Abbott Alinity ALT 2	
		U/l	38	30	46	4.00	8.00	Abbott Architect 丙氨酸氨基转移酶 2	Abbott Architect ALT 2	
		U/l	42	34	50	4.00	8.00	Beckman 修改的IFCC参考方法 (不含P5P)	Beckman Mod. IFCC Ref. without P5P	
		U/l	47	38	56	4.50	9.00	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
		U/l	46	37	55	4.50	9.00	奥森多干化学法	Ortho Vitros MicroSlide visible	
		U/l	42	34	50	4.00	8.00	Tris缓冲液 (含P5P)	Tris Buffer With P5P	
		U/l	38	30	46	4.00	8.00	Tris缓冲液 (不含P5P)	Tris Buffer Without P5P	
Amylase Pancreatic	胰淀粉酶	U/l	57	48	66	4.50	9.00	免疫抑制EPS底物法	ImmunoInhibition, EPS substrate	
		U/l	57	48	66	4.50	9.00	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7	

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)							
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28										
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	83	71	95	6.00	12.0	Abbott Alinity 淀粉酶 2	Abbott Alinity Amylase 2	
		U/l	84	71	97	6.50	13.0	Abbott Architect 淀粉酶 2	Abbott Architect Amylase 2	
		U/l	85	72	98	6.50	13.0	Beckman 阻断 Png7	Beckman blocked pNPG7	
		U/l	78	66	90	6.00	12.0	Beckman CNPG3 (Master Cal)	Beckman CNPG3 (Master Cal)	
		U/l	82	70	94	6.00	12.0	BM/Roche 比色 pNPG7	BM/Roche, Colorimetric pNPG7	
		U/l	65	55	75	5.00	10.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
Amylase Total	淀粉酶	U/l	83	71	95	6.00	12.0	Roche Integra 2-氯-pNPG7	Roche Integra 2-chloro-pNPG7	
		U/l	83	71	95	6.00	12.0	Roche 液体稳定 pNPG7	Roche Liquid Stable pNPG7	
		U/l	92	78	106	7.00	14.0	Siemens 阻断 pNPG7	Siemens - blocked pNPG7	
		U/l	87	74	100	6.50	13.0	Siemens/Dade Behring 2-氯-pNPG3	Siemens/Dade Behring 2-chloro-pNPG3	
Apolipoprotein A1	载脂蛋白A-I	g/l	1.15	0.943	1.36	0.105	0.210	免疫比浊法	Immunoturbidimetric	
		mg/dl	115	94.3	136	10.5	21.0			
Apolipoprotein B	载脂蛋白 B	g/l	0.587	0.481	0.693	0.053	0.106	免疫比浊法	Immunoturbidimetric	
		mg/dl	58.7	48.1	69.3	5.30	10.6			
AST (GOT)	谷草转氨酶(AST或GOT)	U/l	36	29	43	3.50	7.00	Abbott Alinity 谷草转氨酶 2	Abbott Alinity AST 2	
		U/l	36	29	43	3.50	7.00	Abbott Architect 谷草转氨酶 2	Abbott Architect AST 2	
		U/l	36	29	43	3.50	7.00	Beckman 修改的IFCC参考方法 (不含P5P)	Beckman Mod. IFCC Ref. without P5P	
		U/l	47	38	56	4.50	9.00	奥森多干化学法	Ortho Vitros MicroSlide visible	
		U/l	48	38	58	5.00	10.0	Tris缓冲液 (含P5P)	Tris Buffer With P5P	
		U/l	33	26	40	3.50	7.00	Tris缓冲液 (不含P5P)	Tris Buffer Without P5P	
Bicarbonate	碳酸氢盐	mmol/l	12.7	10.1	15.3	1.30	2.60	酶法	Enzymatic	
		mmol/l	12.4	9.83	15.0	1.30	2.60	PEP羧化酶	PEP Carboxylase	
Bile Acids	胆汁酸	µmol/l	25.3	20.2	30.4	2.55	5.10	第 5 代比色法	5th Generation Colorimetric	
		µmol/l	24.5	19.6	29.4	2.45	4.90	酶比色法	Enzymatic Colorimetric	
		µmol/l	23.6	18.9	28.3	2.35	4.70	酶比色法 - Sentinel	Enzymatic Colorimetric - Sentinel	
Bilirubin Direct	直接胆红素	mg/dl	1.13	0.893	1.37	0.120	0.240	改良 Jendrassik法	Modified Jendrassik	
		µmol/l	19.2	15.2	23.2	2.00	4.00			
		mg/dl	1.06	0.837	1.28	0.110	0.220	重氮与二氯苯胺	Diazo with Dichloroaniline	
		µmol/l	18.2	14.4	22.0	1.90	3.80			
		mg/dl	1.06	0.837	1.28	0.110	0.220	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid	
		µmol/l	18.2	14.4	22.0	1.90	3.80			
		mg/dl	0.854	0.675	1.03	0.088	0.176	Siemens Dimension	Diazo/ Sulphanilic Siemens Dimension	
µmol/l	14.6	11.5	17.7	1.55	3.10	重氮化对氨基苯磺酸法				

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)									
批号 (Lot. No): 1782UN		货号 (Cat. No): HNI530		到期 (Expiry): 2028-12-28							
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 Direct	直接胆红素	mg/dl	1.12	0.885	1.36	0.120	0.240	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium		
		µmol/l	19.2	15.2	23.2	2.00	4.00				
		mg/dl	0.983	0.777	1.19	0.104	0.207	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate		
		µmol/l	16.8	13.3	20.3	1.75	3.50				
		mg/dl	0.878	0.694	1.06	0.091	0.182	Roche DPD Dumas 标准化	Roche DPD Dumas standardised		
		µmol/l	15.0	11.9	18.1	1.55	3.10				
		mg/dl	1.13	0.893	1.37	0.120	0.240	Roche DPD JG 标准化	Roche DPD JG standardised		
		µmol/l	19.4	15.3	23.5	2.05	4.10				
Bilirubin Total	总胆红素	mg/dl	2.04	1.61	2.47	0.215	0.430	改良 Jendrassik法	Modified Jendrassik		
		µmol/l	34.9	27.6	42.2	3.65	7.30				
		mg/dl	1.47	1.16	1.78	0.155	0.310	Abbott Alinity / Architect	Abbott Alinity / Architect		
		µmol/l	25.2	19.9	30.5	2.65	5.30	cal batch no >97447/8/9	cal batch no >97447/8/9		
Bilirubin Total	总胆红素	mg/dl	1.49	1.18	1.80	0.155	0.310	Abbott Alinity 总胆红素 2	Abbott Alinity Total Bilirubin 2		
		µmol/l	25.4	20.1	30.7	2.65	5.30				
		mg/dl	1.50	1.19	1.81	0.155	0.310	Abbott Architect 总胆红素 2	Abbott Architect Total Bilirubin 2		
		µmol/l	25.7	20.3	31.1	2.70	5.40				
		mg/dl	1.43	1.13	1.73	0.150	0.300	重氮与二氯苯胺	Diazo With Dichloroaniline		
		µmol/l	24.5	19.4	29.6	2.55	5.10				
		mg/dl	1.58	1.25	1.91	0.165	0.330	重氮化对氨基苯磺酸法	Diazo With Sulphanilic Acid		
		µmol/l	27.0	21.3	32.7	2.85	5.70				
		mg/dl	1.44	1.14	1.74	0.150	0.300	重氮离子法	Diazonium Ion		
		µmol/l	24.6	19.4	29.8	2.60	5.20				
		mg/dl	1.43	1.13	1.73	0.150	0.300	二氯苯基重氮 (DPD法)	Dichlorophenyl Diazonium		
		µmol/l	24.5	19.4	29.6	2.55	5.10				
		mg/dl	1.72	1.36	2.08	0.180	0.360	DPD (Beckman AU)	DPD (Beckman AU)		
		µmol/l	29.4	23.2	35.6	3.10	6.20				
		mg/dl	1.68	1.33	2.03	0.175	0.350	Ortho Vitros MicroSlide Total Bilirubin	Ortho Vitros MicroSlide Total Bil		
		µmol/l	28.7	22.7	34.7	3.00	6.00				
mg/dl	1.69	1.34	2.04	0.175	0.350	氧化成胆绿素/钒酸盐	Oxidation to Biliverdin/Vanadate				
µmol/l	28.9	22.8	35.0	3.05	6.10						
Calcium	钙	mg/dl	8.50	7.65	9.35	0.425	0.850	偶氮砷III法	Arsenazo III		
		mmol/l	2.12	1.91	2.33	0.105	0.210				
		mg/dl	8.42	7.58	9.26	0.420	0.840	甲酚酞络合剂比色法	Cresolphthalein Complexone		
		mmol/l	2.10	1.89	2.31	0.105	0.210				
		mg/dl	8.50	7.65	9.35	0.425	0.850	NM-BAPTA	NM-BAPTA		
		mmol/l	2.12	1.91	2.33	0.105	0.210				
mg/dl	8.58	7.72	9.44	0.430	0.860	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems				
mmol/l	2.14	1.93	2.35	0.105	0.210						

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)						
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28									
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	4.00	3.60	4.40	0.200	0.400	离子选择性电极法	Ion Selective Electrode
		mmol/l	0.999	0.899	1.10	0.051	0.101		
Chloride	氯	mmol/l	97.7	89.9	106	4.15	8.30	离子选择性电极-直接法	ISE Direct
		mmol/l	96.0	88.3	104	4.00	8.00	离子选择性电极-间接法	ISE Indirect
		mmol/l	99.0	91.1	107	4.00	8.00	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
Cholesterol		mg/dl	156	136	176	10.0	20.0	Abbott Alinity 胆固醇 2	Abbott Alinity Cholesterol 2
		mmol/l	4.04	3.51	4.57	0.265	0.530		
		mg/dl	157	137	177	10.0	20.0	Abbott Architect 胆固醇 2	Abbott Architect Cholesterol 2
		mmol/l	4.06	3.53	4.59	0.265	0.530		
		mg/dl	158	137	179	10.5	21.0	胆固醇氧化酶 - Abell Kendall	Cholesterol Oxidase - Abell Kendall
		mmol/l	4.10	3.57	4.63	0.265	0.530		
Cholesterol	胆固醇	mg/dl	159	138	180	10.5	21.0	胆固醇氧化酶 - IDMS	Cholesterol Oxidase - IDMS
		mmol/l	4.13	3.59	4.67	0.270	0.540		
		mg/dl	153	133	173	10.0	20.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	3.97	3.45	4.49	0.260	0.520		
		mg/dl	140	122	158	9.00	18.0	Siemens Dimension	Siemens Dimension
mmol/l	3.62	3.15	4.09	0.235	0.470				
Cholinesterase	胆碱脂酶	U/l	5512	4410	6614	551	1102	硫代丁酰胆碱比色法	Colorimetric - Butyrylthiocholine
CK Total	肌酸激酶 (总)	U/l	197	162	232	17.5	35.0	Abbott CK-NAC (IFCC)	Abbott CK-NAC (IFCC)
		U/l	204	167	241	18.5	37.0	Beckman CK-NAC (IFCC)	Beckman CK-NAC (IFCC)
		U/l	187	153	221	17.0	34.0	肌酸激酶-NAC (IFCC)	CK-NAC (IFCC)
		U/l	190	156	224	17.0	34.0	肌酸激酶-NAC 底物启动 (DGKC)	CK-NAC substrate start (DGKC)
		U/l	196	161	231	17.5	35.0	磷酸肌酸 底物启动	Creatine Phosphate Substrate Start
		U/l	194	159	229	17.5	35.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
Copper	铜	µg/dl	102	81.6	122	10.0	20.0	比色法	Colorimetric
		µmol/l	16.0	12.8	19.2	1.60	3.20		
Creatinine	肌酐	mg/dl	1.36	1.09	1.63	0.135	0.270	Abbott Alinity 肌酐 2	Abbott Alinity Creatinine 2
		µmol/l	120	96.0	144	12.0	24.0		
		mg/dl	1.34	1.07	1.61	0.135	0.270	Abbott Architect 肌酐 2	Abbott Architect Creatinine 2
		µmol/l	119	95.2	143	12.0	24.0		
		mg/dl	1.36	1.09	1.63	0.135	0.270	碱性苦味酸盐法 (未去蛋白)	Alkaline picrate no deproteinisation
		µmol/l	120	96.0	144	12.0	24.0		
		mg/dl	1.37	1.10	1.64	0.135	0.270	酶法	Enzymatic
		µmol/l	121	96.8	145	12.0	24.0		
mg/dl	1.25	1.00	1.50	0.125	0.250	可追溯至同位素稀释质谱法 (IDMS)	IDMS Traceable		
µmol/l	111	88.8	133	11.0	22.0				

Method 所有仪器均值			HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)						
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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	1.33	1.06	1.60	0.135	0.270	抑制速率法	Jaffe Rate Blanked
		µmol/l	118	94.4	142	12.0	24.0		
		mg/dl	1.38	1.10	1.66	0.140	0.280	竞争速率法(-26 µmol/l)	Jaffe rate blanked comp. (-26µmol/l)
		µmol/l	122	97.6	146	12.0	24.0		
		mg/dl	1.32	1.06	1.58	0.130	0.260	代偿速率法(-18 umol/l)	Jaffe rate comp. (-18umol/l)
		µmol/l	117	93.6	140	11.5	23.0		
		mg/dl	1.44	1.15	1.73	0.145	0.290	罗氏肌酐Plus	Roche Creatinine Plus
		µmol/l	127	102	152	12.5	25.0		
		mg/dl	1.30	1.04	1.56	0.130	0.260	Vitros 可追溯至IDMS	Vitros, IDMS traceable
		µmol/l	115	92.0	138	11.5	23.0		
D-3-Hydroxybutyrate	D-3-羟基丁酸	mmol/l	0.294	0.250	0.338	0.022	0.044	Tris缓冲液100mmol, pH 8.5	Tris buffer 100mmol pH 8.5
Free T4	游离 T4	ng/dl	1.10	0.825	1.38	0.140	0.280	Abbott Architect	Abbott Architect
		pg/ml	11.0	8.25	13.8	1.40	2.80		
		pmol/l	14.1	10.6	17.6	1.75	3.50		
Free T4	游离 T4	ng/dl	1.29	0.968	1.61	0.160	0.320	Roche Cobas 4000/E411	Roche Cobas 4000/e411
		pg/ml	12.9	9.68	16.1	1.60	3.20		
		pmol/l	16.5	12.4	20.6	2.05	4.10		
		ng/dl	1.29	0.968	1.61	0.160	0.320	Roche Cobas e402/e801	Roche Cobas e402/e801
		pg/ml	12.9	9.68	16.1	1.60	3.20		
		pmol/l	16.6	12.5	20.7	2.05	4.10		
gamma-GT	谷氨酰转移酶 (GGT)	U/l	52	44	60	4.00	8.00	Abbott Alinity 谷氨酰转移酶 2	Abbott Alinity GGT 2
		U/l	52	44	60	4.00	8.00	Abbott Architect 谷氨酰转移酶 2	Abbott Architect GGT 2
		U/l	49	42	56	3.50	7.00	γ-谷氨酰-3-羧基-4-硝基苯胺	Gamma glut.-3-carb.-4-nitro.
		U/l	52	44	60	4.00	8.00	DCL γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC)	Gamma glut'3-carb'4-nitro(IFCC)
		U/l	58	49	67	4.50	9.00	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
Gentamicin	庆大霉素	µg/ml	3.40	2.72	4.08	0.340	0.680	重量法	Gravimetric
		µmol/l	7.11	5.69	8.53	0.710	1.42		
GLDH	谷氨酸脱氢酶 (GLDH)	U/l	16	13	19	1.50	3.00	三乙醇胺缓冲液	Triethanolamine buffer
Glucose	葡萄糖	mg/dl	108	91.8	124	8.00	16.0	葡萄糖氧化酶法	Glucose Oxidase
		mmol/l	6.00	5.10	6.90	0.450	0.900		
		mg/dl	105	89.3	121	8.00	16.0	己糖激酶法	Hexokinase
		mmol/l	5.85	4.97	6.73	0.440	0.880		
		mg/dl	105	89.3	121	8.00	16.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	5.83	4.96	6.70	0.435	0.870		

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)							
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28									
包装规格 (Size): 20 x 5ml									
Analyte	分析项目	Unit 单位	Range			ISD	2SD	方法	Method
			Target 靶值	Low 低值	High 高值				
HDL - Cholesterol	高密度脂蛋白胆固醇 (HDL-C)	mg/dl	48.3	41.1	55.5	3.60	7.20	直接高密度脂蛋白免疫分离法	Direct HDL, Immunoseparation
		mmol/l	1.25	1.06	1.44	0.095	0.190		
		mg/dl	50.2	42.7	57.7	3.75	7.50	直接高密度脂蛋白PEGME法	Direct HDL, PEGME
		mmol/l	1.30	1.11	1.49	0.095	0.190		
		mg/dl	51.0	43.4	58.6	3.80	7.60	直接高密度脂蛋白PPD法	Direct HDL, PPD
		mmol/l	1.32	1.12	1.52	0.100	0.200		
		mg/dl	47.5	40.4	54.6	3.55	7.10	直接高密度脂蛋白罗氏第4代	Direct HDL, Roche 4th gen.
		mmol/l	1.23	1.05	1.41	0.090	0.180		
Immunoglobulin A	免疫球蛋白A (IgA)	g/l	1.93	1.45	2.41	0.240	0.480	比浊法 (IFCC 校准)	Turbidimetric (IFCC Cal.)
		mg/dl	193	145	241	24.0	48.0		
Immunoglobulin G	免疫球蛋白G (IgG)	g/l	6.96	5.71	8.21	0.625	1.25	比浊法 (IFCC 校准)	Turbidimetric (IFCC Cal.)
		mg/dl	696	571	821	62.5	125		
Immunoglobulin M	免疫球蛋白M (IgM)	g/l	0.885	0.708	1.06	0.088	0.175	比浊法 (IFCC 校准)	Turbidimetric (IFCC Cal.)
		mg/dl	88.5	70.8	106	8.75	17.5		
Iron	铁	µg/dl	113	92.7	133	10.0	20.0	Abbott Alinity 铁 2	Abbott Alinity Iron 2
		µmol/l	20.2	16.6	23.8	1.80	3.60		
		µg/dl	116	95.1	137	10.5	21.0	Abbott Architect 化学发光法 2	Abbott Architect Chemilum
		µmol/l	20.7	17.0	24.4	1.85	3.70		
		µg/dl	109	89.4	129	10.0	20.0	比色法 (含ppt.)	Colorimetric with ppt.
		µmol/l	19.5	16.0	23.0	1.75	3.50		
		µg/dl	109	89.4	129	10.0	20.0	比色法 (不含ppt.)	Colorimetric without ppt.
		µmol/l	19.5	16.0	23.0	1.75	3.50		
Lactate	乳酸	mg/dl	13.8	11.3	16.3	1.25	2.50	乳酸氧化酶比色法	Colorimetric - Lactate oxidase
		mmol/l	1.53	1.25	1.81	0.140	0.280		
LD (LDH)	乳酸脱氢酶 (LDH)	U/l	196	167	225	14.5	29.0	Abbott Alinity 乳酸脱氢酶 2	Abbott Alinity LD 2
		U/l	197	167	227	15.0	30.0	Abbott Architect 乳酸脱氢酶 2	Abbott Architect LD 2
		U/l	203	173	233	15.0	30.0	L->P, (IFCC)	L to P, IFCC
		U/l	205	174	236	15.5	31.0	L->P	Lactate to Pyruvate methods
		U/l	236	201	271	17.5	35.0	奥森多可溯源至IFCC	Ortho Vitros IFCC Traceable
		U/l	424	360	488	32.0	64.0	P->L 斯堪的纳维亚和荷兰	P to L Scandinavian & Dutch
		U/l	405	344	466	30.5	61.0	P->L 德国方法	P to L German methods

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)							
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28									
包装规格 (Size): 20 x 5ml									
Analyte	分析项目	Unit 单位	Range			ISD	2SD	方法	Method
			Target 靶值	Low 低值	High 高值				
Lipase	脂肪酶	U/l	44	35	53	4.50	9.00	Randox 比色法	Colorimetric Randox
		U/l	37	30	44	3.50	7.00	罗氏比色法	Colorimetric Roche
		U/l	253	203	303	25.0	50.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		U/l	39	31	47	4.00	8.00	其他比色法	Other Colorimetric
Lithium	锂	mg/dl	0.684	0.602	0.766	0.041	0.082	分光光度法	Spectrophotometric
		mmol/l	0.985	0.867	1.10	0.058	0.115		
Magnesium	镁	mg/dl	2.17	1.91	2.43	0.130	0.260	偶氮氯磷III法	Chlorphosphonazo III
		mmol/l	0.892	0.785	0.999	0.054	0.107		
		mg/dl	2.11	1.86	2.36	0.125	0.250	酶法	Enzymatic
		mmol/l	0.870	0.766	0.974	0.052	0.104		
		mg/dl	2.17	1.91	2.43	0.130	0.260	甲基百里酚蓝	Methylthymol Blue
		mmol/l	0.892	0.785	0.999	0.054	0.107		
		mg/dl	2.14	1.88	2.40	0.130	0.260	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	0.882	0.776	0.988	0.053	0.106		
mg/dl	2.17	1.91	2.43	0.130	0.260	二甲苯胺蓝法	Xylidyl Blue		
mmol/l	0.893	0.786	1.00	0.054	0.107				
NEFA	游离脂肪酸	mmol/l	1.06	0.848	1.27	0.105	0.210	比色法	Colorimetric
Osmolality	摩尔渗透压浓度	mOsm/ Kg	299	239	359	30.0	60.0	计算	Calculated
Osmolality	摩尔渗透压浓度	mOsm/ Kg	310	248	372	31.0	62.0	凝固点降低法	Freezing Point Depression
Paracetamol (Acetamin)	扑热息痛	mg/l	13.6	10.9	16.3	1.35	2.70	重量法	Gravimetric
		mmol/l	0.090	0.072	0.108	0.009	0.018		
Phosphate Inorganic	无机磷	mg/dl	4.65	3.95	5.35	0.350	0.700	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	1.50	1.28	1.72	0.110	0.220		
		mg/dl	4.53	3.85	5.21	0.340	0.680	磷钼酸盐酶法	Phosphomolybdate Enzymatic
		mmol/l	1.46	1.24	1.68	0.110	0.220		
		mg/dl	4.53	3.85	5.21	0.340	0.680	磷钼酸盐紫外线法	Phosphomolybdate UV
		mmol/l	1.46	1.24	1.68	0.110	0.220		
Potassium	钾	mmol/l	4.25	3.91	4.59	0.170	0.340	酶法	Enzymatic
		mmol/l	4.00	3.68	4.32	0.160	0.320	离子选择性电极-直接法	ISE method - direct
		mmol/l	4.10	3.77	4.43	0.165	0.330	离子选择性电极-间接法	ISE method - indirect
		mmol/l	4.11	3.78	4.44	0.165	0.330	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)								
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28										
包装规格 (Size): 20 x 5ml										
Analyte	分析项目	Unit 单位	Range			ISD	2SD	方法	Method	
			Target 靶值	Low 低值	High 高值					
Protein Total	总蛋白	g/dl	5.69	4.55	6.83	0.570	1.14	Abbott Alinity 总蛋白 2	Abbott Alinity Total Protein 2	
		g/l	56.9	45.5	68.3	5.70	11.4			
		g/dl	5.90	4.72	7.08	0.590	1.18	Abbott Architect 总蛋白 2	Abbott Architect total Protein 2	
		g/l	59.0	47.2	70.8	5.90	11.8			
		g/dl	5.57	4.46	6.68	0.555	1.11	双缩脲反应终点法	Biuret reaction, end point	
		g/l	55.7	44.6	66.8	5.55	11.1			
		g/dl	5.56	4.45	6.67	0.555	1.11	双缩脲反应动力法	Biuret reaction, kinetic	
		g/l	55.6	44.5	66.7	5.55	11.1			
PSA Total	总前列腺特异抗原 (tPSA)	ng/ml = µg/l	8.32	6.24	10.4	1.04	2.08	Abbott Architect / Alinity	Abbott Architect/ Alinity	
		ng/ml = µg/l	10.1	7.58	12.6	1.25	2.50	Roche Cobas 4000/E411	Roche Cobas 4000/e411	
		ng/ml = µg/l	9.59	7.19	12.0	1.21	2.41	Roche Cobas e402/e801	Roche Cobas e402/e801	
		ng/ml = µg/l	9.37	7.03	11.7	1.17	2.33	Roche Cobas e601/602	Roche Cobas e601/602	
Salicylate	水杨酸	mg/dl	5.94	4.75	7.13	0.595	1.19	重量法	Gravimetric	
		mmol/l	0.430	0.344	0.516	0.043	0.086			
Sodium	钠	mmol/l	140	133	147	3.50	7.00	离子选择性电极-直接法	ISE method - direct	
		mmol/l	142	135	149	3.50	7.00	离子选择性电极-间接法	ISE method - indirect	
		mmol/l	141	134	148	3.50	7.00	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems	
Theophylline	茶碱	µg/ml	5.10	4.08	6.12	0.510	1.02	重量法	Gravimetric	
		µmol/l	28.3	22.6	34.0	2.85	5.70			
Thyroid Stimulating Hormone	促甲状腺激素	µU/ml = mIU/l	1.09	0.872	1.31	0.110	0.220	Abbott Architect	Abbott Architect	
		µU/ml = mIU/l	1.58	1.26	1.90	0.160	0.320	Roche Cobas 4000/E411	Roche Cobas 4000/e411	
		µU/ml = mIU/l	1.48	1.18	1.78	0.150	0.300	Roche Cobas e402/e801	Roche Cobas e402/e801	
		µU/ml = mIU/l	1.56	1.25	1.87	0.155	0.310	Roche Cobas e601/602	Roche Cobas e601/602	
TIBC	总铁结合力(TIBC)	µg/dl	258	204	312	27.0	54.0	由转铁蛋白计算	Calculated from Transferrin	
		µmol/l	46.2	36.5	55.9	4.85	9.70			
		µg/dl	266	210	322	28.0	56.0	直接比色法	Direct Colorimetric	
		µmol/l	47.6	37.6	57.6	5.00	10.0			
		µg/dl	238	188	288	25.0	50.0	FE+UIBC (含铁饱和)	FE+UIBC(saturation with iron)	
		µmol/l	42.6	33.7	51.5	4.45	8.90			
Tobramycin	托普霉素	µg/ml	2.95	2.36	3.54	0.295	0.590	重量法	Gravimetric	
		µmol/l	6.30	5.04	7.56	0.630	1.26			

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)									
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28											
包装规格 (Size): 20 x 5ml											
Analyte	分析项目	Unit 单位	Range			ISD	2SD	方法	Method		
			Target 靶值	Low 低值	High 高值						
Total T3	总 T3	ng/dl	98.1	73.6	123	12.5	24.9	Abbott Architect	Abbott Architect		
		ng/ml	0.983	0.737	1.23	0.124	0.247				
		nmol/l	1.51	1.13	1.89	0.190	0.380				
Total T4	总 T4	ng/ml	57.2	42.9	71.5	7.15	14.3	Abbott Architect	Abbott Architect		
		nmol/l	73.3	55.0	91.6	9.15	18.3				
		µg/dl	5.72	4.29	7.15	0.715	1.43				
Transferrin	转铁蛋白	g/l	1.77	1.42	2.12	0.175	0.350	免疫比浊法	Immunoturbidimetric		
		mg/dl	177	142	212	17.5	35.0				
Triglycerides	甘油三酸酯	mg/dl	93.8	78.8	109	7.60	15.2	Abbott Alinity i	Abbott Alinity i		
		mmol/l	1.06	0.890	1.23	0.085	0.170				
		mg/dl	93.8	78.8	109	7.60	15.2	Abbott Architect 甘油三酸酯 2	Abbott Architect Triglyceride 2		
		mmol/l	1.06	0.890	1.23	0.085	0.170				
		mg/dl	96.5	81.1	112	7.75	15.5	脂肪酶/GK UV (无校正)	Lipase/GK UV. no correction		
		mmol/l	1.09	0.916	1.26	0.085	0.170				
		mg/dl	96.5	81.1	112	7.75	15.5	脂肪酶/甘油脱氢酶	Lipase/Glycerol Dehydrogenase		
		mmol/l	1.09	0.916	1.26	0.085	0.170				
mg/dl	97.3	81.7	113	7.85	15.7	脂肪酶/GPO-PAP (无校正)	Lipase/GPO-PAP No Correction				
mmol/l	1.10	0.924	1.28	0.090	0.180						
Triglycerides	甘油三酸酯	mg/dl	95.6	80.3	111	7.70	15.4	脂肪酶/GPO-PAP 0.11mmol/l 校正	Lipase/GPO-PAP, 0.11mmol/l correction		
		mmol/l	1.08	0.907	1.25	0.085	0.170				
		mg/dl	119	100	138	9.50	19.0	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems		
		mmol/l	1.35	1.13	1.57	0.110	0.220				
		mg/dl	104	87.4	121	8.50	17.0	Siemens Atellica TRIG_2	Siemens Atellica TRIG_2		
mmol/l	1.18	0.991	1.37	0.095	0.190						
Urea	尿素	mg/dl	47.7	40.5	54.9	3.60	7.20	Abbott Architect 尿素氮 2	Abbott Architect Urea Nitrogen 2		
		mg/dl (BUN)	22.2	18.9	25.5	1.65	3.30				
		mmol/l	7.93	6.74	9.12	0.595	1.19				
		mg/dl	43.9	37.3	50.5	3.30	6.60	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems		
		mg/dl (BUN)	20.4	17.3	23.5	1.55	3.10				
mmol/l	7.30	6.21	8.39	0.545	1.09						

Method 所有仪器均值		HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) 质控血清 (水平2)							
批号 (Lot. No): 1782UN 货号 (Cat. No): HNI530 到期 (Expiry): 2028-12-28									
包装规格 (Size): 20 x 5ml									
Analyte	分析项目	Unit 单位	Range			ISD	2SD	方法	Method
			Target 靶值	Low 低值	High 高值				
Urea	尿素	mg/dl	45.1	38.3	51.9	3.40	6.80	脲酶终点法	Urease, end point
		mg/dl (BUN)	21.0	17.9	24.1	1.55	3.10		
		mmol/l	7.50	6.38	8.62	0.560	1.12		
		mg/dl	45.6	38.8	52.4	3.40	6.80	脲酶动力学法	Urease, kinetic
		mg/dl (BUN)	21.3	18.1	24.5	1.60	3.20		
		mmol/l	7.59	6.45	8.73	0.570	1.14		
Uric Acid (Urate)	尿酸	mg/dl	5.63	4.90	6.36	0.365	0.730	Abbott Alinity 尿酸 2	Abbott Alinity Uric Acid 2
		mmol/l	0.335	0.291	0.379	0.022	0.044		
		mg/dl	5.65	4.92	6.38	0.365	0.730	Abbott Architect 尿酸 2	Abbott Architect Uric Acid 2
		mmol/l	0.336	0.292	0.380	0.022	0.044		
		mg/dl	5.83	5.07	6.59	0.380	0.760	Beckman AU Non US calibrator (66300)	Beckman AU Non US calibrator (66300)
		mmol/l	0.347	0.302	0.392	0.023	0.045		
		mg/dl	5.56	4.84	6.28	0.360	0.720	Ortho Vitros Microslide Systems	Ortho Vitros Microslide Systems
		mmol/l	0.331	0.288	0.374	0.022	0.043		
		mg/dl	5.73	4.99	6.47	0.370	0.740	尿酸酶 293nm	Uricase @ 293 nm
		mmol/l	0.341	0.297	0.385	0.022	0.044		
		mg/dl	5.73	4.99	6.47	0.370	0.740	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	0.341	0.297	0.385	0.022	0.044		
mg/dl	5.68	4.94	6.42	0.370	0.740	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	0.338	0.294	0.382	0.022	0.044				
mg/dl	5.65	4.92	6.38	0.365	0.730	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	0.336	0.292	0.380	0.022	0.044				
Zinc	锌	µg/dl	161	129	193	16.0	32.0	比色法 (未去蛋白)	Colorimetric without deprot.
		µmol/l	24.6	19.7	29.5	2.45	4.90		