

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

【中文名称】: 质控血清（水平 2）

【货号】 (CAT. NUMBER): HNI530

【批号】 (LOT NUMBER): I693UN

【包装规格】 (SIZE): 20 x 5 mL

【到期】 (EXPIRY): 2027-11-28

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: 08 May '24 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): I693UN | | 货号 (Cat. No): HNI530 / HS261 I | 到期 (Expiry): 2027-11-28 | | | | | | | |
| 包装规格 (Size): 20 x 5ml / 5 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 | |
| Albumin | 白蛋白 | g/l | 40.4 | 34.3 | 46.5 | 3.05 | 6.10 | 溴甲酚绿 | Bromocresol Green | |
| | | g/dl | 4.04 | 3.43 | 4.65 | 0.305 | 0.610 | | | |
| | | g/l | 40.9 | 34.8 | 47.0 | 3.05 | 6.10 | 溴甲酚紫 | Bromocresol Purple | |
| | | g/dl | 4.09 | 3.48 | 4.70 | 0.305 | 0.610 | | | |
| | | g/l | 40.7 | 34.6 | 46.8 | 3.05 | 6.10 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | |
| | | g/dl | 4.07 | 3.46 | 4.68 | 0.305 | 0.610 | | | |
| | | g/l | 38.8 | 33.0 | 44.6 | 2.90 | 5.80 | 比浊法 | Turbidimetric Assays | |
| | | g/dl | 3.88 | 3.30 | 4.46 | 0.290 | 0.580 | | | |
| Alkaline Phosphatase | 碱性磷酸酶 | U/l | 196 | 167 | 225 | 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 | 176 | 150 | 202 | 13.0 | 26.0 | 比色法 | Colorimetric | |
| | | U/l | 270 | 230 | 310 | 20.0 | 40.0 | 二乙醇胺 (DEA)缓冲液 | Diethanolamine buffer, DEA | |
| | | U/l | 167 | 142 | 192 | 12.5 | 25.0 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | |
| ALT (GPT) | 丙氨酸氨基转移酶 | U/l | 37 | 30 | 44 | 3.50 | 7.00 | 比色法 | Colorimetric | |
| | | U/l | 46 | 37 | 55 | 4.50 | 9.00 | 奥森多干化学法 | Ortho Vitros MicroSlide visible | |
| | | U/l | 38 | 30 | 46 | 4.00 | 8.00 | Tris缓冲液 (含P5P) | Tris buffer with P5P | |
| | | U/l | 36 | 29 | 43 | 3.50 | 7.00 | Tris缓冲液 (不含P5P) | Tris buffer without P5P | |
| | | U/l | 61 | 52 | 70 | 4.50 | 9.00 | 免疫抑制EPS底物法 | Immunoinhibition, EPS substrate | |
| Amylase, Pancreatic | 胰淀粉酶 | U/l | 62 | 53 | 71 | 4.50 | 9.00 | Roche 液体稳定 pNPG7 | Roche liquid stable pNPG7 | |
| Amylase, Total | 淀粉酶 | U/l | 86 | 73 | 99 | 6.50 | 13.0 | Abbott Alinity 淀粉酶 2 | Abbott Alinity Amylase 2 | |
| | | U/l | 87 | 74 | 100 | 6.50 | 13.0 | Abbott Architect 淀粉酶 2 | Abbott Architect Amylase 2 | |
| | | U/l | 88 | 75 | 101 | 6.50 | 13.0 | Abbott Architect / Alinity cal factor 3431 | Abbott Architect/Alinity cal factor 3431 | |
| | | U/l | 81 | 69 | 93 | 6.00 | 12.0 | Beckman CNPG3 (Master Cal) | Beckman CNPG3 (Master Cal) | |
| | | U/l | 89 | 76 | 102 | 6.50 | 13.0 | Beckman Coulter 阻断 pNPG7 | Beckman Coulter - blocked pNPG7 | |
| | | U/l | 84 | 71 | 97 | 6.50 | 13.0 | BM/Roche 比色 pNPG7 | BM/Roche Colorimetric pNPG7 | |
| | | U/l | 64 | 54 | 74 | 5.00 | 10.0 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | |
| | | U/l | 86 | 73 | 99 | 6.50 | 13.0 | Roche Integra 2-氯-pNPG7 | Roche Integra 2-chloro-pNPG7 | |
| | | U/l | 86 | 73 | 99 | 6.50 | 13.0 | Roche 液体稳定 pNPG7 | Roche liquid stable pNPG7 | |
| | | U/l | 93 | 79 | 107 | 7.00 | 14.0 | Siemens 阻断 pNPG7 | Siemens - blocked pNPG7 | |
| | | U/l | 90 | 77 | 103 | 6.50 | 13.0 | Siemens 2-氯-pNPG3 | Siemens 2-chloro-pNPG3 | |
| Apolipoprotein AI | 载脂蛋白A-I | g/l | 1.12 | 0.918 | 1.32 | 0.100 | 0.200 | 免疫比浊法 | Immunoturbidimetric | |
| | | mg/dl | 1.12 | 91.8 | 132 | 10.0 | 20.0 | | | |
| Apolipoprotein B | 载脂蛋白 B | g/l | 0.679 | 0.557 | 0.801 | 0.061 | 0.122 | 免疫比浊法 | Immunoturbidimetric | |
| | | mg/dl | 67.9 | 55.7 | 80.1 | 6.10 | 12.2 | | | |
| AST (GOT) | 谷草转氨酶(AST或GOT) | U/l | 52 | 42 | 62 | 5.00 | 10.0 | 奥森多干化学法 | Ortho Vitros MicroSlide visible | |
| | | U/l | 49 | 39 | 59 | 5.00 | 10.0 | Tris缓冲液 (含P5P) | Tris buffer with P5P | |
| | | U/l | 35 | 28 | 42 | 3.50 | 7.00 | Tris缓冲液 (不含P5P) | Tris buffer without P5P | |
| Bicarbonate | 碳酸氢盐 | mmol/l | 13.1 | 10.4 | 15.8 | 1.35 | 2.70 | 酶法 | Enzymatic | |
| Bile Acids | 胆汁酸 | µmol/l | 25.3 | 20.2 | 30.4 | 2.55 | 5.10 | 第 4 代比色法 | 4th Generation Colorimetric | |

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|---------------------------------|-----------------|--|---------------|-------------------------|---------------|----------------|----------------|---|---|
| 批号 (Lot. No): I693UN | | 货号 (Cat. No): HNI530 / HS2611 | | 到期 (Expiry): 2027-11-28 | | | | | |
| 包装规格 (Size): 20 x 5ml / 5 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 |
| Bile Acids | 胆汁酸 | μmol/l | 26.2 | 21.0 | 31.4 | 2.60 | 5.20 | 第 5 代比色法 | 5th Generation Colorimetric |
| Bilirubin, Conjugated Vitros BC | 结合胆红素 Vitros BC | mg/dl μmol/l | 0.825 14.1 | 0.652 11.1 | 0.998 17.1 | 0.087 1.50 | 0.173 3.00 | BuBc Vitros slide | BuBc Vitros slide |
| Bilirubin, Direct | 直接胆红素 | mg/dl μmol/l | 1.18 20.1 | 0.932 15.9 | 1.43 24.3 | 0.125 2.10 | 0.250 4.20 | 重氮与二氯苯胺 | Diazo with Dichloroaniline |
| | | mg/dl μmol/l | 1.16 19.9 | 0.916 15.7 | 1.40 24.1 | 0.120 2.10 | 0.240 4.20 | 重氮化对氨基苯磺酸法 | Diazo with Sulphanilic Acid |
| | | mg/dl μmol/l | 1.26 21.5 | 0.995 17.0 | 1.53 26.0 | 0.135 2.25 | 0.270 4.50 | 二氯苯基重氮 (DPD法) | Dichlorophenyl Diazonium |
| | | mg/dl μmol/l | 1.05 17.9 | 0.830 14.1 | 1.27 21.7 | 0.110 1.90 | 0.220 3.80 | 改良 Jendrassik法 | Modified Jendrassik |
| | | mg/dl μmol/l | 1.12 19.2 | 0.885 15.2 | 1.36 23.2 | 0.120 2.00 | 0.240 4.00 | 氧化成胆绿素/钒酸盐 | Oxidation to Biliverdin/Vanadate |
| | | mg/dl μmol/l | 1.29 22.1 | 1.02 17.5 | 1.56 26.7 | 0.135 2.30 | 0.270 4.60 | Roche DPD JG 标准化 | Roche DPD JG standardised |
| Bilirubin, Total | 总胆红素 | mg/dl μmol/l | 1.48 25.3 | 1.17 20.0 | 1.79 30.6 | 0.155 2.65 | 0.310 5.30 | Abbott Alinity / Architect calibration batch number > 97447/8/9 | Abbott Alin/Arch cal batch no > 97447/8/9 |
| | | mg/dl μmol/l | 1.53 26.2 | 1.21 20.7 | 1.85 31.7 | 0.160 2.75 | 0.320 5.50 | 重氮与二氯苯胺 | Diazo with Dichloroaniline |
| | | mg/dl μmol/l | 1.61 27.6 | 1.27 21.8 | 1.95 33.4 | 0.170 2.90 | 0.340 5.80 | 重氮化对氨基苯磺酸法 | Diazo with Sulphanilic Acid |
| | | mg/dl μmol/l | 1.52 25.9 | 1.20 20.5 | 1.84 31.3 | 0.160 2.70 | 0.320 5.40 | 重氮离子法 | Diazonium ion |
| | | mg/dl μmol/l | 1.50 25.6 | 1.19 20.2 | 1.81 31.0 | 0.155 2.70 | 0.310 5.40 | 二氯苯基重氮 (DPD法) | Dichlorophenyl Diazonium |
| | | mg/dl μmol/l | 1.78 30.4 | 1.41 24.0 | 2.15 36.8 | 0.185 3.20 | 0.370 6.40 | DPD (Beckman AU) | DPD (Beckman AU) |
| | | mg/dl μmol/l | 2.03 34.7 | 1.60 27.4 | 2.46 42.0 | 0.215 3.65 | 0.430 7.30 | 改良 Jendrassik法 | Modified Jendrassik |
| | | mg/dl μmol/l | 1.85 31.6 | 1.46 25.0 | 2.24 38.2 | 0.195 3.30 | 0.390 6.60 | Ortho Vitros MicroSlide Total Bilirubin | Ortho Vitros MicroSlide Total Bil |
| | | mg/dl μmol/l | 1.77 30.3 | 1.40 23.9 | 2.14 36.7 | 0.185 3.20 | 0.370 6.40 | 氧化成胆绿素/钒酸盐 | Oxidation to Biliverdin/Vanadate |
| Calcium | 钙 | mmol/l mg/dl | 2.11 8.46 | 1.90 7.61 | 2.32 9.31 | 0.105 0.425 | 0.210 0.850 | 偶氮砷III法 | Arsenazo III |
| | | mmol/l mg/dl | 2.07 8.30 | 1.86 7.47 | 2.28 9.13 | 0.105 0.415 | 0.210 0.830 | 甲酚酞络合剂比色法 | Cresolphthalein complexone |
| | | mmol/l mg/dl | 2.11 8.46 | 1.90 7.61 | 2.32 9.31 | 0.105 0.425 | 0.210 0.850 | NM-BAPTA | NM-BAPTA |
| | | mmol/l mg/dl | 2.11 8.46 | 1.90 7.61 | 2.32 9.31 | 0.105 0.425 | 0.210 0.850 | | |

| 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 / 5 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 | mmol/l | 2.08 | 1.87 | 2.29 | 0.105 | 0.210 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems |
| | | mg/dl | 8.34 | 7.51 | 9.17 | 0.415 | 0.830 | | |
| Calcium, Ionised | 离子钙 | mmol/l | 1.03 | 0.927 | 1.13 | 0.050 | 0.100 | 离子选择性电极法 | Ion Selective Electrode |
| | | mg/dl | 4.13 | 3.72 | 4.54 | 0.205 | 0.410 | | |
| Chloride | 氯 | mmol/l | 99.4 | 91.4 | 107 | 3.80 | 7.60 | 离子选择性电极-直接法 | ISE, direct |
| | | mmol/l | 97.8 | 90.0 | 106 | 4.10 | 8.20 | 离子选择性电极-间接法 | ISE, indirect |
| | | mmol/l | 101 | 92.9 | 109 | 4.00 | 8.00 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems |
| Cholesterol | 胆固醇 | mmol/l | 4.11 | 3.58 | 4.64 | 0.265 | 0.530 | Abbott Architect 胆固醇 2 | Abbott Architect Cholesterol 2 |
| | | mg/dl | 159 | 138 | 180 | 10.5 | 21.0 | | |
| | | mmol/l | 4.07 | 3.54 | 4.60 | 0.265 | 0.530 | 胆固醇氧化酶 - Abell Kendall | Cholesterol Oxidase - Abell Kendall |
| | | mg/dl | 157 | 137 | 177 | 10.0 | 20.0 | | |
| | | mmol/l | 4.08 | 3.55 | 4.61 | 0.265 | 0.530 | 胆固醇氧化酶 - IDMS | Cholesterol Oxidase - IDMS |
| | | mg/dl | 157 | 137 | 177 | 10.0 | 20.0 | | |
| CK, Total | 肌酸激酶 (总) | mmol/l | 4.09 | 3.56 | 4.62 | 0.265 | 0.530 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems |
| | | mg/dl | 158 | 137 | 179 | 10.5 | 21.0 | | |
| | | U/l | 243 | 199 | 287 | 22.0 | 44.0 | Beckman CK-NAC (IFCC) | Beckman CK-NAC (IFCC) |
| | | U/l | 221 | 181 | 261 | 20.0 | 40.0 | 肌酸激酶-NAC (IFCC) | CK-NAC (IFCC) |
| | | U/l | 223 | 183 | 263 | 20.0 | 40.0 | 肌酸激酶-NAC 底物启动 (DGKC) | CK-NAC substrate start (DGKC) |
| | | U/l | 223 | 183 | 263 | 20.0 | 40.0 | 磷酸肌酸 底物启动 | Creatine phosphate substrate start |
| Copper | 铜 | U/l | 214 | 175 | 253 | 19.5 | 39.0 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems |
| | | µmol/l | 16.7 | 13.4 | 20.0 | 1.65 | 3.30 | 比色法 | Colorimetric |
| Cortisol | 皮质醇 | µg/dl | 106 | 84.8 | 127 | 10.5 | 21.0 | | |
| | | nmol/l | 529 | 397 | 661 | 66.0 | 132 | Roche Cobas e402/e801 | Roche Cobas e402/e801 |
| Creatinine | 肌酐 | µg/dl | 19.0 | 14.3 | 23.7 | 2.35 | 4.70 | | |
| | | 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 | 1.38 | 1.10 | 1.66 | 0.140 | 0.280 | 碱性苦味酸盐法 (未去蛋白) | Alkaline picrate no deproteinisation |
| | | µmol/l | 122 | 97.6 | 146 | 12.0 | 24.0 | | |
| | | mg/dl | 1.32 | 1.06 | 1.58 | 0.130 | 0.260 | 可追溯至同位素稀释质谱法 (IDMS) | IDMS traceable |
| | | µmol/l | 117 | 93.6 | 140 | 11.5 | 23.0 | | |
| | | mg/dl | 1.39 | 1.11 | 1.67 | 0.140 | 0.280 | 抑制速率法 | Jaffe rate blanked |
| | | µmol/l | 123 | 98.4 | 148 | 12.5 | 25.0 | | |
| | | mg/dl | 1.37 | 1.10 | 1.64 | 0.135 | 0.270 | 竞争速率法(-26 µmol/l) | Jaffe rate blanked comp. (-26µmol/l) |
| | | µmol/l | 121 | 96.8 | 145 | 12.0 | 24.0 | | |
| | | mg/dl | 1.32 | 1.06 | 1.58 | 0.130 | 0.260 | 代偿速率法(-18 µmol/l) | Jaffe rate comp. (-18µmol/l) |
| | | µmol/l | 117 | 93.6 | 140 | 11.5 | 23.0 | | |
| | | 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 | 0.283 | 0.241 | 0.325 | 0.021 | 0.042 | Tris缓冲液100mmol, pH 8.5 | Tris buffer 100mmol pH 8.5 |

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| 包装规格 (Size): 20 x 5ml / 5 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 | |
| Digoxin | 地高辛 | nmol/l ng/ml | 1.73 1.35 | 1.38 1.08 | 2.08 1.62 | 0.175 0.135 | 0.350 0.270 | 免疫比浊法 | Immunoturbidimetric | |
| Folate | 叶酸 | nmol/l ng/ml | 26.8 11.8 | 20.4 8.97 | 33.2 14.6 | 3.20 1.40 | 6.40 2.80 | Roche Cobas e402/e801 | Roche Cobas e402/e801 | |
| Free T4 | 游离 T4 | pmol/l | 14.9 | 11.2 | 18.6 | 1.85 | 3.70 | Abbott Architect / Alinity | Abbott Architect/Alinity | |
| | | pg/ml ng/dl | 11.6 1.16 | 8.70 0.870 | 14.5 1.45 | 1.45 0.145 | 2.90 0.290 | | | |
| | | pmol/l | 19.2 | 14.4 | 24.0 | 2.40 | 4.80 | Roche Cobas 4000/E411 | Roche Cobas 4000/e411 | |
| | | pg/ml | 15.0 | 11.3 | 18.7 | 1.85 | 3.70 | | | |
| | | ng/dl | 1.50 | 1.13 | 1.87 | 0.185 | 0.370 | | | |
| | | pmol/l | 20.7 | 15.5 | 25.9 | 2.60 | 5.20 | Roche Cobas e402/e801 | Roche Cobas e402/e801 | |
| | | pg/ml ng/dl | 16.1 1.61 | 12.1 1.21 | 20.1 2.01 | 2.00 0.200 | 4.00 0.400 | | | |
| | | pmol/l | 19.9 | 14.9 | 24.9 | 2.50 | 5.00 | Roche Cobas e601/602 | Roche Cobas e601/ 602 | |
| | | pg/ml | 15.5 | 11.6 | 19.4 | 1.95 | 3.90 | | | |
| | | ng/dl | 1.55 | 1.16 | 1.94 | 0.195 | 0.390 | | | |
| gamma-GT | 谷氨酰转氨酶 (GGT) | U/l | 60 | 51 | 69 | 4.50 | 9.00 | Abbott Alinity 谷氨酰转氨酶 2 | Abbott Alinity GGT 2 | |
| | | U/l | 55 | 47 | 63 | 4.00 | 8.00 | γ-谷氨酰-3-羧基-4-硝基苯胺 | Gamma glut-3-carb.-4-nitro. | |
| | | U/l | 59 | 50 | 68 | 4.50 | 9.00 | γ-谷氨酰-3-羧基-4-硝基苯胺 (IFCC) | Gamma glut' 3-carb' 4-nitro(IFCC) | |
| | | U/l | 65 | 55 | 75 | 5.00 | 10.0 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | |
| Gentamicin | 庆大霉素 | μmol/l μg/ml | 7.11 3.40 | 5.69 2.72 | 8.53 4.08 | 0.710 0.340 | 1.42 0.680 | 重量法 | Gravimetric | |
| 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 | mmol/l | 6.02 | 5.12 | 6.92 | 0.450 | 0.900 | 葡萄糖氧化酶法 | Glucose oxidase | |
| | | mg/dl | 108 | 91.8 | 124 | 8.00 | 16.0 | | | |
| | | mmol/l | 5.93 | 5.04 | 6.82 | 0.445 | 0.890 | 己糖激酶法 | Hexokinase | |
| | | mg/dl | 107 | 91.0 | 123 | 8.00 | 16.0 | | | |
| | | mmol/l | 5.96 | 5.07 | 6.85 | 0.445 | 0.890 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | |
| | | mg/dl | 107 | 91.0 | 123 | 8.00 | 16.0 | | | |
| HBDH | | U/l | 207 | 164 | 250 | 21.5 | 43.0 | 氧代丁酸酯 < 10 mmol/l | Oxobutyrate < 10 mmol/l | |
| HDL-Cholesterol | 高密度脂蛋白胆固醇 (HDL-C) | mmol/l | 1.25 | 1.06 | 1.44 | 0.095 | 0.190 | 直接高密度脂蛋白免疫分离法 | Direct HDL, Immunoseparation | |
| | | mg/dl | 48.3 | 41.1 | 55.5 | 3.60 | 7.20 | | | |
| | | mmol/l | 1.31 | 1.11 | 1.51 | 0.100 | 0.200 | 直接高密度脂蛋白PEGME法 | Direct HDL, PEGME | |
| | | mg/dl | 50.6 | 43.0 | 58.2 | 3.80 | 7.60 | | | |
| | | mmol/l | 1.36 | 1.16 | 1.56 | 0.100 | 0.200 | 直接高密度脂蛋白PPD法 | Direct HDL, PPD | |
| | | mg/dl | 52.5 | 44.6 | 60.4 | 3.95 | 7.90 | | | |
| | | mmol/l | 1.31 | 1.11 | 1.51 | 0.100 | 0.200 | 直接高密度脂蛋白罗氏第4代 | Direct HDL, Roche 4th gen. | |
| | | mg/dl | 50.6 | 43.0 | 58.2 | 3.80 | 7.60 | | | |

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|---------------------------------|-------------------|--|--------------|-------------------------|------------|-------|-------|---------------------------------|---------------------------------------|--|
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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 | |
| HDL-Cholesterol | 高密度脂蛋白胆固醇 (HDL-C) | mmol/l | 1.36 | 1.16 | 1.56 | 0.100 | 0.200 | 高密度脂蛋白胆固醇测定试剂盒 (均相测定法) | HDL Ultra/Accel Selective Detergent | |
| | | mg/dl | 52.5 | 44.6 | 60.4 | 3.95 | 7.90 | | | |
| | | mmol/l | 1.31 | 1.11 | 1.51 | 0.100 | 0.200 | Vitros dHDL PTA/MgCl2 直接沉淀法 | Vitros dHDL PTA/MgCl2 direct precip. | |
| | | mg/dl | 50.6 | 43.0 | 58.2 | 3.80 | 7.60 | | | |
| IgA | 免疫球蛋白A (IgA) | g/l | 2.03 | 1.52 | 2.54 | 0.255 | 0.510 | 比浊法 (IFCC 校准) | Turbidimetric (IFCC Cal.) | |
| | | mg/dl | 203 | 152 | 254 | 25.5 | 51.0 | | | |
| IgG | 免疫球蛋白G (IgG) | g/l | 6.87 | 5.63 | 8.11 | 0.620 | 1.24 | 比浊法 (IFCC 校准) | Turbidimetric (IFCC Cal.) | |
| | | mg/dl | 687 | 563 | 811 | 62.0 | 124 | | | |
| IgM | 免疫球蛋白M (IgM) | g/l | 0.693 | 0.554 | 0.832 | 0.070 | 0.139 | 比浊法 (IFCC 校准) | Turbidimetric (IFCC Cal.) | |
| | | mg/dl | 69.3 | 55.4 | 83.2 | 6.95 | 13.9 | | | |
| Iron | 铁 | μmol/l | 19.8 | 16.2 | 23.4 | 1.80 | 3.60 | 比色法 (含ppt.) | Colorimetric with ppt. | |
| | | μg/dl | 111 | 91.0 | 131 | 10.0 | 20.0 | | | |
| | | μmol/l | 19.9 | 16.3 | 23.5 | 1.80 | 3.60 | 比色法 (不含ppt.) | Colorimetric without ppt. | |
| | | μg/dl | 111 | 91.0 | 131 | 10.0 | 20.0 | | | |
| | | μmol/l | 21.8 | 17.9 | 25.7 | 1.95 | 3.90 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | |
| | | μg/dl | 122 | 100 | 144 | 11.0 | 22.0 | | | |
| Lactate | 乳酸 | mmol/l | 1.54 | 1.26 | 1.82 | 0.140 | 0.280 | 乳酸氧化酶比色法 | Colorimetric - Lactate oxidase | |
| | | mg/dl | 13.9 | 11.4 | 16.4 | 1.25 | 2.50 | | | |
| | | mmol/l | 1.40 | 1.15 | 1.65 | 0.125 | 0.250 | 酶电极法 | Enzymatic Electrode | |
| | | mg/dl | 12.6 | 10.3 | 14.9 | 1.15 | 2.30 | | | |
| LD (LDH) | 乳酸脱氢酶 (LDH) | U/l | 204 | 173 | 235 | 15.5 | 31.0 | L->P (IFCC) | L to P IFCC | |
| | | U/l | 196 | 167 | 225 | 14.5 | 29.0 | L->P | Lactate to Pyruvate methods | |
| | | U/l | 220 | 187 | 253 | 16.5 | 33.0 | 奥森多可溯源至IFCC | Ortho Vitros IFCC Traceable | |
| | | U/l | 396 | 337 | 455 | 29.5 | 59.0 | P->L 德国方法 | P to L German methods | |
| | | U/l | 426 | 362 | 490 | 32.0 | 64.0 | P->L 斯堪的纳维亚和荷兰 | P to L Scandinavian & Dutch | |
| | | U/l | 403 | 343 | 463 | 30.0 | 60.0 | P to L SFBC / SEQC | P to L SFBC / SEQC | |
| | | | | | | | | | | |
| Lipase | 脂肪酶 | U/l | 48 | 38 | 58 | 5.00 | 10.0 | Randox 比色法 | Colorimetric Randox | |
| | | U/l | 38 | 30 | 46 | 4.00 | 8.00 | 罗氏比色法 ACN(8)731/ID 0-100 | Colorimetric Roche ACN(8)731/ID 0-100 | |
| | | U/l | 38 | 30 | 46 | 4.00 | 8.00 | 罗氏比色法 ACN(8)789/ID 0-052 | Colorimetric Roche ACN(8)789/ID 0-052 | |
| Lithium | 锂 | mmol/l | 0.953 | 0.839 | 1.07 | 0.059 | 0.117 | 分光光度法 | Spectrophotometric | |
| | | mg/dl | 0.662 | 0.583 | 0.741 | 0.040 | 0.079 | | | |
| Magnesium | 镁 | mmol/l | 0.899 | 0.791 | 1.01 | 0.056 | 0.111 | 偶氮砷III法 | Arsenazo III | |
| | | mg/dl | 2.18 | 1.92 | 2.44 | 0.130 | 0.260 | | | |
| | | mmol/l | 0.925 | 0.814 | 1.04 | 0.058 | 0.115 | 偶氮氯膦III法 | Chlorphosphonazo III | |
| | | mg/dl | 2.25 | 1.98 | 2.52 | 0.135 | 0.270 | | | |
| | | mmol/l | 0.905 | 0.796 | 1.01 | 0.053 | 0.105 | 酶法 | Enzymatic | |
| | | mg/dl | 2.20 | 1.94 | 2.46 | 0.130 | 0.260 | | | |
| | | mmol/l | 0.893 | 0.786 | 1.00 | 0.054 | 0.107 | 甲基百里酚蓝 | Methylthymol blue | |
| | | mg/dl | 2.17 | 1.91 | 2.43 | 0.130 | 0.260 | | | |

| 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): I693UN | | 货号 (Cat. No): HN1530 / HS2611 | | 到期 (Expiry): 2027-11-28 | | | | | | | |
| 包装规格 (Size): 20 x 5ml / 5 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 | mmol/l | 0.920 | 0.810 | 1.03 | 0.055 | 0.110 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | | |
| | | mg/dl | 2.24 | 1.97 | 2.51 | 0.135 | 0.270 | | | | |
| | | mmol/l | 0.920 | 0.810 | 1.03 | 0.055 | 0.110 | 二甲苯胺蓝法 | Xylidyl Blue | | |
| mg/dl | 2.24 | 1.97 | 2.51 | 0.135 | 0.270 | | | | | | |
| NEFA | 游离脂肪酸 | mmol/l | 0.632 | 0.506 | 0.758 | 0.063 | 0.126 | 免疫比浊法 | Immunoturbidimetric | | |
| Osmolality | 摩尔渗透压浓度 | mOsm/ kg | 300 | 240 | 360 | 30.0 | 60.0 | 计算 | Calculated | | |
| | | mOsm/ kg | 311 | 249 | 373 | 31.0 | 62.0 | 凝固点降低法 | Freezing point depression | | |
| Paracetamol (Acetamin.) | 扑热息痛 | mmol/l | 0.090 | 0.072 | 0.108 | 0.009 | 0.018 | 重量法 | Gravimetric | | |
| | | mg/l | 13.6 | 10.9 | 16.3 | 1.35 | 2.70 | | | | |
| Phosphate, Inorganic | 无机磷 | mmol/l | 1.50 | 1.28 | 1.72 | 0.110 | 0.220 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | | |
| | | mg/dl | 4.65 | 3.95 | 5.35 | 0.350 | 0.700 | | | | |
| | | mmol/l | 1.45 | 1.23 | 1.67 | 0.110 | 0.220 | 磷钼酸盐酶法 | Phosphomolybdate enzymatic | | |
| | | mg/dl | 4.50 | 3.83 | 5.17 | 0.335 | 0.670 | | | | |
| | | mmol/l | 1.45 | 1.23 | 1.67 | 0.110 | 0.220 | 磷钼酸盐紫外线法 | Phosphomolybdate UV | | |
| | | mg/dl | 4.50 | 3.83 | 5.17 | 0.335 | 0.670 | | | | |
| Potassium | 钾 | mmol/l | 4.16 | 3.83 | 4.49 | 0.165 | 0.330 | 酶法 | Enzymatic | | |
| | | mmol/l | 4.02 | 3.70 | 4.34 | 0.160 | 0.320 | 离子选择性电极-直接法 | ISE method - direct | | |
| | | mmol/l | 4.09 | 3.76 | 4.42 | 0.165 | 0.330 | 离子选择性电极-间接法 | ISE method - indirect | | |
| | | mmol/l | 4.10 | 3.77 | 4.43 | 0.165 | 0.330 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | | |
| Protein, Total | 总蛋白 | g/l | 58.1 | 46.5 | 69.7 | 5.80 | 11.6 | Abbott Alinity 总蛋白 2 | Abbott Alinity Total Protein 2 | | |
| | | g/dl | 5.81 | 4.65 | 6.97 | 0.580 | 1.16 | | | | |
| | | g/l | 58.9 | 47.1 | 70.7 | 5.90 | 11.8 | Abbott Architect 总蛋白 2 | Abbott Architect total Protein 2 | | |
| | | g/dl | 5.89 | 4.71 | 7.07 | 0.590 | 1.18 | | | | |
| | | g/l | 57.0 | 45.6 | 68.4 | 5.70 | 11.4 | 双缩脲反应终点法 | Biuret reaction, end point | | |
| | | g/dl | 5.70 | 4.56 | 6.84 | 0.570 | 1.14 | | | | |
| | | g/l | 56.5 | 45.2 | 67.8 | 5.65 | 11.3 | 双缩脲反应动力法 | Biuret reaction, kinetic | | |
| | | g/dl | 5.65 | 4.52 | 6.78 | 0.565 | 1.13 | | | | |
| | | g/l | 58.5 | 46.8 | 70.2 | 5.85 | 11.7 | Ortho Vitros Microslide Systems | Ortho Vitros MicroSlide Systems | | |
| | | g/dl | 5.85 | 4.68 | 7.02 | 0.585 | 1.17 | | | | |
| PSA, Total | 总前列腺特异抗原 (tPSA) | ng/ml | 9.54 | 7.16 | 11.9 | 1.18 | 2.36 | Abbott Architect / Alinity | Abbott Architect/ Alinity | | |
| | | ng/ml | 12.1 | 9.08 | 15.1 | 1.50 | 3.00 | | | | |
| | | ng/ml | 11.4 | 8.55 | 14.3 | 1.45 | 2.90 | | | | |
| Salicylate | 水杨酸 | mmol/l | 0.430 | 0.344 | 0.516 | 0.043 | 0.086 | 重量法 | Gravimetric | | |
| | | mg/dl | 5.93 | 4.74 | 7.12 | 0.595 | 1.19 | | | | |
| Sodium | 钠 | mmol/l | 143 | 136 | 150 | 3.50 | 7.00 | 酶法 | Enzymatic | | |
| | | mmol/l | 140 | 133 | 147 | 3.50 | 7.00 | 离子选择性电极-直接法 | ISE method - direct | | |
| | | mmol/l | 141 | 134 | 148 | 3.50 | 7.00 | 离子选择性电极-间接法 | ISE method - indirect | | |

| 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): I693UN | | 货号 (Cat. No): HNI530 / HS2611 | | 到期 (Expiry): 2027-11-28 | | | | | |
| 包装规格 (Size): 20 x 5ml / 5 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 | 141 | 134 | 148 | 3.50 | 7.00 | Ortho Vitros MicroSlide Systems | Ortho Vitros MicroSlide Systems |
| Theophylline | 茶碱 | μmol/l | 28.3 | 22.6 | 34.0 | 2.85 | 5.70 | 重量法 | Gravimetric |
| | | μg/ml | 5.10 | 4.08 | 6.12 | 0.510 | 1.02 | | |
| Thyroid Stimulating Hormone (TSH) | 促甲状腺激素 | μU/ml | 1.13 | 0.904 | 1.36 | 0.115 | 0.230 | Abbott Architect / Alinity | Abbott Architect/ Alinity |
| | | μU/ml | 1.64 | 1.31 | 1.97 | 0.165 | 0.330 | Roche Cobas 4000/E411 | Roche Cobas 4000/e411 |
| | | μU/ml | 1.54 | 1.23 | 1.85 | 0.155 | 0.310 | Roche Cobas e402/e801 | Roche Cobas e402/e801 |
| | | μU/ml | 1.61 | 1.29 | 1.93 | 0.160 | 0.320 | Roche Cobas e601/602 | Roche Cobas e601/ 602 |
| TIBC | 总铁结合力(TIBC) | μmol/l | 46.4 | 36.7 | 56.1 | 4.85 | 9.70 | 由转铁蛋白计算 | Calculated from Transferrin |
| | | μg/dl | 259 | 205 | 313 | 27.0 | 54.0 | | |
| | | μmol/l | 47.1 | 37.2 | 57.0 | 4.95 | 9.90 | 直接比色法 | Direct Colorimetric |
| | | μg/dl | 263 | 208 | 318 | 27.5 | 55.0 | | |
| Tobramycin | 托普霉素 | μmol/l | 6.30 | 5.04 | 7.56 | 0.630 | 1.26 | 重量法 | Gravimetric |
| | | μg/ml | 2.95 | 2.36 | 3.54 | 0.295 | 0.590 | | |
| | | μmol/l | 42.3 | 33.4 | 51.2 | 4.45 | 8.90 | FE+UIBC (含铁饱和) | FE+UIBC(saturation with iron) |
| | | μg/dl | 236 | 186 | 286 | 25.0 | 50.0 | | |
| Total T3 | 总 T3 | nmol/l | 1.61 | 1.21 | 2.01 | 0.200 | 0.400 | Abbott Architect / Alinity | Abbott Architect/ Alinity |
| | | ng/ml | 1.05 | 0.788 | 1.31 | 0.130 | 0.260 | | |
| | | ng/dl | 105 | 78.8 | 131 | 13.0 | 26.0 | | |
| Total T4 | 总 T4 | nmol/l | 88.5 | 66.4 | 111 | 11.3 | 22.5 | Abbott Architect / Alinity | Abbott Architect/ Alinity |
| | | ng/ml | 69.0 | 51.8 | 86.2 | 8.60 | 17.2 | | |
| | | μg/dl | 6.90 | 5.18 | 8.62 | 0.860 | 1.72 | | |
| Transferrin | 转铁蛋白 | g/l | 1.87 | 1.50 | 2.24 | 0.185 | 0.370 | 比浊法 (IFCC 校准) | Turbidimetric (IFCC Cal.) |
| | | mg/dl | 187 | 150 | 224 | 18.5 | 37.0 | | |
| Triglycerides | 甘油三酸酯 | mmol/l | 1.06 | 0.890 | 1.23 | 0.085 | 0.170 | Abbott Alinity i | Abbott Alinity i |
| | | mg/dl | 93.8 | 78.8 | 109 | 7.60 | 15.2 | | |
| | | mmol/l | 1.08 | 0.907 | 1.25 | 0.085 | 0.170 | Abbott Architect 甘油三酸酯 2 | Abbott Architect Triglyceride 2 |
| | | mg/dl | 95.6 | 80.3 | 111 | 7.70 | 15.4 | | |
| | | mmol/l | 1.10 | 0.924 | 1.28 | 0.090 | 0.180 | 脂肪酶/GK UV (无校正) | Lipase/GK UV, no correction |
| | | mg/dl | 97.4 | 81.8 | 113 | 7.80 | 15.6 | | |
| | | mmol/l | 1.11 | 0.932 | 1.29 | 0.090 | 0.180 | 脂肪酶/甘油脱氢酶 | Lipase/Glycerol Dehydrogenase |
| | | mg/dl | 98.2 | 82.5 | 114 | 7.90 | 15.8 | | |
| | | mmol/l | 1.12 | 0.941 | 1.30 | 0.090 | 0.180 | 脂肪酶/GPO-PAP (无校正) | Lipase/GPO-PAP no correction |
| | | mg/dl | 99.1 | 83.2 | 115 | 7.95 | 15.9 | | |
| | | mmol/l | 1.32 | 1.11 | 1.53 | 0.105 | 0.210 | Ortho Vitros MicroSlide Systems | Ortho Vitros MicroSlide Systems |
| | | mg/dl | 117 | 98.3 | 136 | 9.50 | 19.0 | | |
| | | mmol/l | 1.16 | 0.974 | 1.35 | 0.095 | 0.190 | Siemens Atellica IM | Siemens Atellica IM |
| | | mg/dl | 103 | 86.5 | 120 | 8.50 | 17.0 | | |

| Method 所有仪器均值 | | HUMAN ASSAYED MULTI-SERA - LEVEL 2 (HUM ASY CONTROL 2) | | | | | | | 质控血清 (水平2) |
|---------------------------------|---------|--|--------------|-------------------------|------------|-------|-------|---------------------------------|----------------------------------|
| 批号 (Lot. No): I693UN | | 货号 (Cat. No): HNI530 / HS2611 | | 到期 (Expiry): 2027-11-28 | | | | | |
| 包装规格 (Size): 20 x 5ml / 5 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 | mmol/l | 8.25 | 7.01 | 9.49 | 0.620 | 1.24 | Abbott Architect 尿素氮 2 | Abbott Architect Urea Nitrogen 2 |
| | | mg/dl | 49.6 | 42.2 | 57.0 | 3.70 | 7.40 | | |
| | | mg/dl (BUN) | 23.1 | 19.6 | 26.6 | 1.75 | 3.50 | | |
| | | mmol/l | 7.31 | 6.21 | 8.41 | 0.550 | 1.10 | Ortho Vitros MicroSlide Systems | Ortho Vitros MicroSlide Systems |
| | | mg/dl | 43.9 | 37.3 | 50.5 | 3.30 | 6.60 | | |
| | | mg/dl (BUN) | 20.5 | 17.4 | 23.6 | 1.55 | 3.10 | | |
| | | mmol/l | 7.69 | 6.54 | 8.84 | 0.575 | 1.15 | 脲酶终点法 | Urease, end point |
| | | mg/dl | 46.2 | 39.3 | 53.1 | 3.45 | 6.90 | | |
| | | mg/dl (BUN) | 21.5 | 18.3 | 24.7 | 1.60 | 3.20 | | |
| | | mmol/l | 7.87 | 6.69 | 9.05 | 0.590 | 1.18 | 脲酶动力学法 | Urease, kinetic |
| | | mg/dl | 47.3 | 40.2 | 54.4 | 3.55 | 7.10 | | |
| | | mg/dl (BUN) | 22.0 | 18.7 | 25.3 | 1.65 | 3.30 | | |
| Uric Acid (Urate) | 尿酸 | mmol/l | 0.329 | 0.286 | 0.372 | 0.022 | 0.043 | Abbott Alinity 尿酸 2 | Abbott Alinity Uric Acid 2 |
| | | mg/dl | 5.53 | 4.81 | 6.25 | 0.360 | 0.720 | | |
| | | mmol/l | 0.332 | 0.289 | 0.375 | 0.022 | 0.043 | Abbott Architect 尿酸 2 | Abbott Architect Uric Acid 2 |
| | | mg/dl | 5.58 | 4.85 | 6.31 | 0.365 | 0.730 | | |
| | | mmol/l | 0.328 | 0.285 | 0.371 | 0.022 | 0.043 | Ortho Vitros MicroSlide Systems | Ortho Vitros MicroSlide Systems |
| | | mg/dl | 5.51 | 4.79 | 6.23 | 0.360 | 0.720 | | |
| | | mmol/l | 0.337 | 0.293 | 0.381 | 0.022 | 0.044 | 尿酸酶 293nm | Uricase @ 293 nm |
| | | mg/dl | 5.66 | 4.92 | 6.40 | 0.370 | 0.740 | | |
| | | mmol/l | 0.338 | 0.294 | 0.382 | 0.022 | 0.044 | 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. |
| | | mg/dl | 5.68 | 4.94 | 6.42 | 0.370 | 0.740 | | |
| | | mmol/l | 0.335 | 0.291 | 0.379 | 0.022 | 0.044 | 尿酸酶过氧化物酶比色法 (含抗坏血酸氧化酶) | Uricase Perox. with ascorb. ox |
| | | mg/dl | 5.63 | 4.90 | 6.36 | 0.365 | 0.730 | | |
| Vitamin B12 | 维生素 B12 | pmol/l | 558 | 446 | 670 | 56.0 | 112 | Roche Cobas e402/e801 | Roche Cobas e402/e801 |
| | | pg/ml | 756 | 605 | 907 | 75.5 | 151 | | |
| Zinc | 锌 | μmol/l | 23.0 | 18.4 | 27.6 | 2.30 | 4.60 | 比色法 (未去蛋白) | Colorimetric without deprot. |
| | | μg/dl | 150 | 120 | 180 | 15.0 | 30.0 | | |