

# Laboratory Report

Subject: user5086@demo / 58y / Female  
Collected: 2025-10-15  
Exam: follow-up (hospital)

| Analyte                                           | Result | Unit   | Reference    | Flag |
|---------------------------------------------------|--------|--------|--------------|------|
| High-Density Lipoprotein-HDL                      | 1.15   | mmol/L | 1.29-1.55    | H/L  |
| LDL/HDL Ratio                                     | 2.78   |        | <2.5         | H/L  |
| Lipid-Low-Density Lipoprotein Particle Number     | 1380.0 | nmol/L | 800.0-1200.0 | H/L  |
| Lipid-Oxidized Low-Density Lipoprotein            | 62.0   | mg/L   | <50.0        | H/L  |
| Lipid-Small Dense Low-Density Lipoprotein Chol... | 1.1    | mmol/L | <0.9         | H/L  |
| Non-HDL Cholesterol-Non-HDL                       | 4.25   | mmol/L | <3.4         | H/L  |
| Total Cholesterol-TC                              | 5.4    | mmol/L | 3.0-5.18     | H/L  |
| Triglycerides-TG                                  | 2.4    | mmol/L | 0.4-1.7      | H/L  |
| Blood Glucose-GLU                                 | 7.5    | mmol/L | 3.9-6.1      | H/L  |
| Fasting Blood Glucose-FBG                         | 7.45   | mmol/L | 3.9-6.1      | H/L  |
| Glycated Hemoglobin-HbA1c                         | 7.2    | %      | 4.0-5.6      | H/L  |
| Postprandial Blood Glucose-PBG                    | 9.5    | mmol/L | <7.8         | H/L  |

Generated from the ESL-Bench synthetic longitudinal dataset (healthmemoryarena/ESL-Bench). No real person is described.  
Flag: H/L marks a result outside the reference range.