

ApoA1 Test Kit

Catlog Number: BBITK-HMM-0037

• Description

Apolipoprotein A1 (ApoA1) and Apolipoprotein B (ApoB) have been used as important indicators of risk factors for cardiovascular and cerebrovascular diseases. ApoA1 is the major structural protein of HDL (about 65% of total HDL protein) and ApoB is the major structural protein of LDL (about 98% of total LDL protein), so ApoA1 and ApoB directly reflect the levels of HDL and LDL content of HDL and LDL. Domestic and international research data show that decreased ApoA1 and increased ApoB are risk factors for cardiovascular and cerebrovascular diseases, and the detection rate of dyslipidemia in patients is very high. Currently, the methods commonly used in clinical laboratories for the determination of ApoA1 include one-way immunodiffusion, rate-scattering turbidimetry, immunoturbidimetric assay, and immunolabeling techniques.



• Basic Information

Detection Methods: Immunoturbidimetric Method

Standard Linear Range: 0.20-2.50 g/L

Reagent Blank Absorbance: At the wavelength of 340 nm, optical diameter 1.0 cm, 37°C, the absorbance of reagent blank: $A_{340\text{ nm}} \leq 0.20$

Analytical Sensitivity: At 1.01 ± 0.18 g/L, the absorbance difference should be ≥ 0.50

Accuracy: Relative deviation ≤ 15

Precision: Intra-batch precision: $CV \leq 5\%$, inter-batch precision: relative deviation $\leq 10\%$

Open Stability: Used in the reagent warehouse from the first opening until day 28.

• Specification

R1:1x60 mL+R2:1x20 mL, R1:3x60 mL+R2:1x60 mL, R1:1x45 mL+R2:1x15 mL, R1:1x60 mL+R2:1x20 mL, R1:2x180 mL+R2:1x120 mL

• Storage & Transportation

Store at 2-8°C away from light

Shelf Life: 12 months