APOLIPOPROTEIN A1 FS*

Order information

Cat. No.	Kit size						
1 7102 99 10 015	R1	2 x	25 ml	+	R2	1 x	10 ml
10 710 021	R1	5 x	25 ml	+	R2	1 x	25 ml
1 7100 99 10 041		1 x	1 ml	Calibrator Level 1			
		1 x	1 ml	Calibrator Level 2			
		1 x	1 ml	Calibrator Level 3			

Method

Immunological, turbidimetric test, measuring range 25 – 250 mg/dl;

Endpoint determination of the concentration of Apolipoprotein A1 through photometric measurement of antigen-antibody-reaction.

Reagent preparation and stability

The reagents and calibrators are ready-to-use and stable up to the end of the indicated month of expiry, if contamination is avoided and stored at 2 – 8 °C.

Specimen

Serum, heparinized or EDTA plasma. Avoid hemolysis!

Stability: 5 days at 15 - 25 °C
2 weeks at 2 - 8 °C
3 months at - 20 °C
(not in case of repeated deep freezing)

Calibration

With 3 calibrators via a suitable curve adjustment, e.g. logit/log.
Stability of calibration: 4 weeks

We recommend the use of our calibrator set as this set covers optimally the measuring range of the test kit.

Prozone limit

up to at least 500 mg/dl

Components and concentration in the test

R1: Buffer
TRIS pH 7.5 100 mmol/l
PEG, detergents, stabilizers

R2: Antiserum
TRIS pH 7.5 100 mmol/l
Anti-human Apolipoprotein A1
Antibody (goat) with stabilizers

Calibrators:
stabilized human sera, concentrations are indicated on the label

Notes

1. The reagents contain Sodium Azide (0.095 %) as preservative. Do not swallow. Avoid contact with skin and mucous membranes.
2. No cross reactions with Apo A2 and Apo B were seen under test conditions.
3. The calibrators were only produced with human sera from donors, where no HIV-antibodies and no HbsAg were detected by FDA approved tests. As a risk of infection cannot be completely excluded, the calibrators should be handled as carefully as patient samples.

Normal range (see reference 2)

Men: 104 – 204 mg/dl
Women: 111 – 214 mg/dl

References

1. Marcovina, S. M., Albers., J. J., Dati, F., Ledue, T. B., Ritchie, R. F., Clin. Chem., 37, (1991), 1676 – 1682
2. Steinmetz, J., Tarallo, P., Fournier, B., Caces, E., Siest, G., Eur. J. Clin. Chem. Clin. Biochem., 33, (1995), 337 - 342

fluid stable

HITACHI 917

Chemistry parameters

Analysis

Test / Type	APOA								Ser/Pl			
Assay / Time / Point	2 Point End	A	10	A	15	34	0	0				
Wave (2nd/Primary)	0	A	570	A								
S.Vol (Normal)	2	0	0									
S.Vol (Decrease)	1	0	0									
S.Vol (Increase)	4	0	0									
Diluent	00951	99							Timing			
Reagent (R1) T1	250	0	#	60					R1			
Reagent (R2) T2	0	0	#	0					R2			
Reagent (R3) T3	50	0	#	60					R3			
Reagent (R4) T4	0	0	#	0								
Abs. Limit	12000	Increase	A									
Prozone Limit	32000	0	Lower	A								
Cell Detergent	Detergent 1	A										

Calibration

Calibration type	Logit-Log 3P	A		A
Point	4	Span Point	4	
Weight	0			

Autocalibration

	Time Out	Change Over	
Blank		Blank	A
Span		Blank	A
2Point			
Full			

SD Limit	999			
Duplicate limit	15	%	300	Abs
Sensitivity limit	-99999	999999		
S1 Abs limit	-32000	32000		

Range

Application Code	#	Unit	mg/dl	A		
Report Name	Apolipoprotein A1					
Data Mode	On Board	A				
Control Interval	1000					
Instrument Factor (Y=aX+b)	a=	1.0	b=	0.0		
Technical Limit	25	250				
Repeat Limit	25	250				
Expected Value						

						Qualitative		
(Male)		Y	A				Cancel	A
		Y	A			(1)	0	
				104	204	(2)	0	
(Female)		Y	A			(3)	0	
		Y	A			(4)	0	
				111	214	(5)	0	
(Default)	Male	A	Range3	A		(6)	0	

Others

<Standard>	(1)	(2)	(3)	(4)	(5)	(6)
Calib. Code	501	#	#	#		
Concentration	0	*	*	*		
Position						
Sample Volume	2	2	2	2		
Diluent S.Vol	0	0	0	0		
Diluent Volume	0	0	0	0		

#) Data entry by the user
*) Enter calibration or standard value

14.04.08