

APOLIPOPROTEIN B FS*

Order information

Cat. No.	Kit size					
10 711 021	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 B 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 1000 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 B
Antibody (goat) with stabilizers

Calibrators:

stabilized human sera, concentrations are indicated on the label

Notes

- The reagents contain Sodium Azide (0.095 %) as preservative. Do not swallow! Avoid contact with skin and mucous membranes.
- No cross reactions with Apo A1 and Apo A2 were seen under test conditions.
- 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: 45 – 140 mg/dl
Women: 45 – 140 mg/dl

References

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

* fluid stable

SYNCHRON CX-CLINICAL SYSTEM

USER-DEFINIED CHEMISTRY SETUP

Test Name:	APOB	User def. No:	#
Chem. Name:	Apo B		
Reaction Type:	Endpoint 2		
Unit:	mg/dl	No of Calibrators	3
Decimal Prec.:	x	Calibrator:	1 *
Reaction Dir.:	Positive		2 *
Calculation Factor:	*		3 *
Math. Model:	Model 1		4
Cal. Time Limit:	120h		5
			6
Prim. Wavelength:	340	Sec. Wavelength:	700
Reagent 1 [a] Vol:	250 µl	[B] Vol.:	0 µl
Reagent 2 [C] Vol.:	50 µl	Add Time:	410s
Sample Volume:	3 µl		
Reagent Blank		Reaction	
Start Read:	350s	Start Read:	370s
End Read:	380s	End Read:	400s
Usable Range Lower Limit:	25		
	Upper Limit:	250	
Error Detection Limits			
Reagent Blk Low:	-0.5	Reaction Low:	-0.5
	High: 1.5		High: 1.5
Substrate Depletion:	-		
Initial Rate:	-	Delete Abs.:	-
Multipoint Span:	-		

#) Data entry by the user

*) Enter calibrator value or factor (the factor has to be checked by calibration or controls)

F4 Special Functions

- 5 Enter user defined Chemistry
- F1 Define/Check
- Enter number between 1 - 100

03.02.06