

HDL CHOLESTEROL

Precipitation/Enzymatic-spectrophotometric
PHOSPHOTUNGSTATE/Mg²⁺-CHOLESTEROL OXIDASE/PEROXIDASE

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

Instrument: **ADVIA 1650**

Samples

Serum or plasma. Stable for 7 days at 2-8°C.
Heparin, EDTA, oxalate and fluoride may be used as anticoagulants.

Precipitation Procedure:

- Pipette into labelled centrifuge tubes:

Sample	0.2 mL
Reagent A	0.5 mL
- Mix thoroughly and let stand for 10 minutes at room temperature.
- Centrifuge at a minimum of 4000 r.p.m. for 10 minutes.
- Carefully collect the supernatant.

Reagent preparation

Reagent B is ready to be used.

Instrument settings

ANALYTICAL PARAMETERS		Reanalysis conditions		Multi-Standards setting			
<u>Analytical Conditions</u>		Serum reac. smp. vol. (μ)	3.00	Formula	Linear correction	Axis conv.	No convert.
R1 volume	80.00	Serum dilut. method (μ)	None	Points			
R2 volume	0.00	Serum reac. smp. vol. (d)	3.00				
R3 volume	0.00	Serum dilut. method (d)	None				
R4 volume	0.00			FV	MEAN		
R1 diluent vol.	0.00	<u>Standards setting</u>		BLK	0.00	...	
R2 diluent vol.	0.00	BLK H	9.9999	1	*	...	
R3 diluent vol.	0.00	BLK L	-9.9999	* assigned value			
R4 diluent vol.	0.00	STD H	9.9999				
Serum reac. s. vol.	20.00	STD L	-9.9999				
Serum dil. method	Standard	FV	*				
Reaction time	5 min.	Abnml. (serum) H	99999				
Reagent 1 stir.	Weak	Abnml. (serum) L	-9999				
Reagent 2 stir.	Weak						
Reagent 3 stir.	Weak	<u>Calculation method setting</u>		Prozone		Reaction rate method	
Reagent 4 stir.	Weak	M-DET. P. I	0	Prozone form.	None	Cycle	3
		M-DET. P. m	44	Prozone limit	9.999	Factor	3.0
		M-DET. P. n	46	Prozone judge	Upper limit	Reac. Type	Inc.
		S-DET. P. p	0	Judge limit	9.999	E2 corre.	Do
		S-DET. P. r	0	M-DET. P. m.	0	Blank (μ)	9.9999
		Check D.P.I.	0	M-DET. P. n.	0	Blank (d)	-9.999
		Limit value	0.003	S-DET. P. p.	0	Sample (μ)	9.9999
		Variance	10.0	S-DET. P. r.	0	Sample (d)	-9.999
						<u>Endpoint method</u>	
						Re. Absorb (μ)	9.9999
						Re. Absorb (d)	-9.999
<u>Sub-analy. conditions</u>							
Name	HDL-C						
Digits	2						
M-wave. L.	505 nm						
S-wave. L.							
Analy. mthd.	EPA						
Calc. mthd	STD						
Qualit. judg.	Not do						