

# HDL CHOLESTEROL

Precipitation/Enzymatic-spectrophotometric  
PHOSPHOTUNGSTATE/Mg<sup>2+</sup>-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: **XL-600 (=XL-300+ISE)**

### 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

Test Code	Reported Name						HDL-CHOLESTEROL				
Test	<b>HDL-C</b>						M1Start	M1End	M2Start	M2End	
Assay Type	<b>1 POINT</b>						Assay Points	<b>0</b>	<b>0</b>	<b>51</b>	<b>51</b>
Wavelength	Primary	<b>505</b>	Secondary	<b>700</b>			Con. Interval	*			
							Sample Repli.	<b>1</b>			
	Serum			Urine							
	Sample	Predil	Diluent	Sample	Predil	Diluent					
S. Vol. Normal	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	Vol.	Pos.	Size		
S. Vol. Decr	<b>20</b>	<b>3</b>	<b>180</b>	<b>0</b>	<b>0</b>	<b>0</b>	R 1	*	<b>S</b>		
S. Vol. Incr	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	R 2				
Std. Volume	<b>15</b>						Reagent Stability		Effective Days		
ABS Limit	<b>0</b>										
React. Dir.	<input type="radio"/>			Decr	<input checked="" type="radio"/>		Incr				
Prozone Limit	0			<input type="radio"/>	Upper	<input type="radio"/>	Lower	Min	Max		
Unit	<b>mg/dL</b>						Decimal Point	<b>0</b>			
							Reagent ABS	<b>0</b>		<b>0.2</b>	
							Tech. Serum Lim.	<b>0</b>		<b>1000</b>	
							Tech. Urine Lim.	<b>0</b>		<b>0</b>	
							Panic Limit	*		*	
Normal Values	AGE		Male		Female						
			Min	Max	Max	Max					
Serum	<b>Default</b>		<b>30</b>	<b>70</b>	<b>30</b>	<b>70</b>	Auto Dil.	<input checked="" type="radio"/>	<b>Yes</b>	<input type="radio"/>	No
Serum							Y=aX+b	a =	<b>1</b>	b =	<b>0</b>
Serum											
Urine values											
* Data entered by the operator											
Calibration curve	<b>Straight</b>										

In the **Std. Volume (Pre/Norm/Dil)** field, enter the **S. Vol. Normal ((Pre/Norm/Dil)** values