

# 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.

## Instruments: **CX-4/5/7**

### 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 Name	<b>HDL-C</b>	Calculation Factor	<b>0</b>
Reaction Type	<b>ENDPOINT 2</b>	Math Model	<b>LINEAR</b>
Reaction Direction	<b>POSITIVE</b>	Cal. Time Limit	<b>336 hr.</b>
Units	<b>mg/dL</b>	N° of Calibrators	<b>1</b>
Decimal Precision	<b>X</b>	Secondary Wavelength	<b>600</b>
Primary Wavelength	<b>520 nm</b>		
Sample Volume	<b>15 µL</b>	<b>CALIBRATION</b>	<b>MULTIPOINT SPAN</b>
Primary Inject Reagent		N° 1	*
A:	<b>300 µL</b>	N° 2	
B:		N° 3	
C:		N° 4	
		N° 5	
		N° 6	
<b>REAGENT BLANK</b>		<b>REACTION</b>	
Start Read	<b>250</b>	Start Read	<b>350</b>
End Read	<b>300</b>	End Read	<b>390</b>
Low ABS Limit	<b>-1.500</b>	Low ABS Limit	<b>-1.500</b>
High ABS Limit	<b>1.500</b>	High ABS Limit	<b>1.500</b>
<b>USABLE RANGE</b>		<b>SUBSTRATE DEPLETION</b>	
Lower Limit	<b>0</b>	Initial Rate	<b>99.999</b>
Upper Limit	<b>200</b>	Delta ABS	<b>1.500</b>
		* assigned standard value	