HDL CHOLESTEROL

Precipitation/Enzymatic-spectrophotometric
PHOSPHOTUNGSTATE/Mg^{2+}-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: **EXPRESS 550 / Plus**

Samples

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

Precipitation Procedure:

1. Pipette into labelled centrifuge tubes:
   - Sample 0.2 mL
   - Reagent A 0.5 mL
2. Mix thoroughly and let stand for 10 minutes at room temperature.
3. Centrifuge at a minimum of 4000 r.p.m. for 10 minutes.
4. Carefully collect the supernatant.

Reagent preparation

Reagent B is ready to be used.

Instrument settings

Test Name	HDL-C	Test	HDL-C
Test Bar Code			
Test Type	End Point	Curve Type	Blanked Linear
Units	mg/dL	Nr. of Decimal Places	0
Primary Wavelength	510	Secondary Wavelength	600
Read Time/Interval	10	Sample Blank	No
Factor			
Calibration Interval	168 hours	Nr. of Replicates	2
Nr. of Calibrators	2		
Low Blank A Limit	-0.010	High Blank A Limit	0.350
Low A Limit	-0.010	High A Limit	2.000
Low Normal	30	High Normal	70
Linearity Limit	200	Curve S.D. Limit	8.0
Sample Volume	15 µL	Test	HDL-C
Rerun Dilution Ratio	1		
Sample Diluent Bottle Type	*	Predilution Ratio	1
Reagent Diluent Bottle Type	*		

	Reagent Volume	Bar Code	Diluent Volume	Lag Time	Bottle Type
Reagent 1	300 µL	HD1A		240	*
Reagent 2					

* Enter the bottle type: plastic or glass

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