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.

Instrument: **METROLAB 2300 (=DATA PIO)**

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

NAME	HDL-C
UNITS	mg/dL
WAVELENGTH	505 nm
BIC. REF.	700 nm
LOW LIMIT (men)	30 mg/dL
HIGH LIMIT (men)	70 mg/dL
LOW LIMIT (women)	30 mg/dL
HIGH LIMIT (women)	70 mg/dL
TYPE	End Point
SAMPLE VOLUME	15 µL
1ST REAGENT VOLUME	300 µL
2ND REAGENT VOLUME	
1ST INCUBATION	600 sec.
2ND INCUBATION	
LINEAR LIMIT	150 mg/dL
CONSUMPTION LIMIT (KINETICS)	
REFERENCE	Standard
FACTOR/STANDARD	Standard *
REACTION DIRECTION	Increasing

(*) Data entered by the operator