

# 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: HITACHI 704

### Samples

Serum or plasma. Stable for 7 days at 2-8°C.  
 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	HDL-C
ASSAY CODE	1 POINT - 32 - 0
SAMPLE VOLUME (µL)	15
R1 VOLUME (µL)	300 - 20 - 0
R2 VOLUME (µL)	0 - 20 - 0
WAVELENGTH (nm)	700 - 505
CALIB. METHOD	1 - 0 - 0
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	(*) - 2
STD 3 CONC. POS.	0 - 0
STD 4 CONC. POS.	0 - 0
STD 5 CONC. POS.	0 - 0
STD 6 CONC. POS.	0 - 0
UNIT	mg/dL
SD LIMIT	0.1
DUPLICATE LIMIT	100
SENSITIVITY LIMIT	0
ABS. LIMIT	0 - 0
PROZONE LIMIT	0 - 0
EXPECTED VALUE	30 - 70
INSTRUMENT FACTOR	1.0
(*) Input the assigned value of the calibrator	