

For self-testing use

CE0197 [IVD]

QUCARE[®] Self **Total Cholesterol**

Simple & Quick Total Cholesterol Test

The OUCARE® Self Total Cholesterol test is intended for in-vitro diagnostic for the semi-guantitative determination of cholesterol in fresh capillary whole blood. Suitable for self-testing use

Cholesterol measurements are used in the diagnosis and treatment of disorders involving excess cholesterol in the blood and lipid and lipoprotein metabolism disorders. This test can be used to identify elevated blood cholesterol levels associated with increased risk of coronary artery disease.

QUCARE® Self Total Cholesterol test provides preliminary semiguantitative analytical test results. All results indicating elevated blood cholesterol levels should be verified by a quantitative cholesterol method.

If your test result is not consistent with your expectations symptoms, you should contact your healthcare professional and follow his or her treatment advice.

Materials Provided: 2 x Test strips, 2 x Capillary tubes, 4 x Disposable Lancets,

Materials required (but not provided):

Watch or Other Timing System Alcohol swab or Clean dry tissue

For in vitro diagnostic use only. Use only fresh capillary whole blood from the fingertip.

Never use a lancets or capillary tube the was by another person Do not reuse lancet, capillary tube and test strip. Do not use the test strips on babies and infants. Do not use serum or plasma.

Check pouch for expiration date before beginning the test. The used strip should be discarded according to local regulations after testing.

All specimens should be considered potentially hazardous and handled in the same manner as an infectious agent.

The OUCARE® Self Total Cholesterol test is performed using fresh capillary whole Blood collected from a fingerstick The Whole Blood specimens should be tested immediately after draw.

Fingerstick samples must be obtained from free flowing capillary blood.

Excessive squeezing or milking can procedure somewhat lower results.

<Preparation> Step 1.

Check the package materials and read the package insert thoroughly.





Step 3.

A Warning

check the test kit.

Open the foilpouch and

Please check which side of the

test kit you need to apply the

blood sample to before testing.

Wash your hands with warm water and soap, carefully drying your hands afterwards.

Use of lotions and hand creams should be avoided before testing.







<Getting a drop of blood>

Step 4.



()

A Warning

You need to be careful when removing the cap of the lancet that you twist it off. If you pull it, then it will prematurely fire the lancet rendering it unusable Similarly, if you snap the cap off without twisting it, then you will break off the stem of the cap, again making the lancet unusable.

Step 5.

Massage your hand from the wrist to the fingertip to increase blood flow.

Hold the safety lancet against the patient's fingertip and press down firmly to draw blood. Push the cap backinto the used safety lancet until the cap is fully secured, and then dispose of it in a waste container.





Wipe away the first drop of blood with a clean tissue.

<Running a test >



Please check how to use capillary tube first before using it.

Q Tips !

- 1) Hold the capillary tube slightly downward and horizontally.
- 2) Touch the tip of the pipette to the blood drop.
- 3) Capillary action will automatically draw the blood sample to the fill line and stop.
- 4) Do not squeeze or block the air vent during collection of the blood sample.
- 5) Collect the blood up to the fill line.

It is important not to squeeze the bulb of the capillary tube when collecting the blood sample. Only squeeze the bulb when t comes to adding the blood to the test strip.



Step 9.

Apply the blood sample onto the test hole and wait 2 minutes before turning the test kit over. DO NOT turn over the test kit before 2 minutes.



Squeeze the bulb until all the blood in the capillary tube is applied

A Warning

If you don't apply the additional blood sample onto the test hole, the result may be inaccurate.





A Warning

The sample window should be completely covered with blood. If the blood sample was smeared or too little blood was applied, you should dispose of the test strip and repeat the test with a new strip. At least 10 µL of sample is required for one test.















A Warning



Step 6.

Step 7.

Step 10.

Turn over the test kit after 2 minutes and find the closest matching colour for the result within 30 seconds.

The test result MUST be read within 2 minutes and 30 seconds of applying the blood sample.



** measurement range 250mg/dL (2.6~6.5 mmol/L)



the colour should be compared after 2 minutes.

You may get inaccurate results if you read too early as the colour may still be developing. Similarly, if you read it too late, then the colour may fade.

Precise timing is essential to ensure optimal results. If the colour of the test result is between two tones of colour on the colour table, calculate the average.

A test area that appears lighter than the 99mg/dL colour block should be interpreted as a cholesterol result of less than 99mg/dL. A test area that appears darker than the 250mg/dL colour block should be interpreted as a cholesterol result greater than 250 mg/dL.

Step 11.

The used strip, capillary, alcohol swap and Lancet should be discarded according to local regulations after testing.

- O) Can the result circle change color without giving me a correct reading?
- Yes, you may get an incorrect result If:
- You compared colors before 2 minutes or after 2 minutes and 30 seconds.
- You performed the test in direct sunlight, or in a steamy bathroom.
- The test strip was stored or used above the maximum room temperature(30°C)
- You did not use sufficient blood to perform the test.

Q) Do I need to fast before testing?

In general, fasting before your test isn't required, unless you are already taking a cholesterol medication.

Q) What do my total cholesterol numbers mean?

Your test result will place you in one of 3 medical risk groups (Refer to Expected Values) defined by the National Cholesterol Education Program.

- The National Cholesterol Education Program recommends averaging two or three cholesterol test results. One test may not give a definitive or typical result.
- Your cholesterol level may vary if you are pregnant, take birth control or estrogen replacement pills, or if you have certain medical conditions or recent illnesses.
- A high Total Cholesterol level is just one risk factor for heart disease. Other risk factor include smoking, high blood pressure, a family history of heart disease, a diet high in saturated fats, and insufficient exercise.

->Adult (In all adults aged 20 years or older)



200-239 mg/dL(5.18-6.19 mmol/L) : Borderline high \geq 240(\geq 6.22 mmol/L): High



<170 mg/dL(<4.40 mmol/L): Desirable 170-199 mg/dL(4.40-5.15 mmol/L); Borderline high ≥ 200(≥ 5.18 mmol/L) : High

QUCARE® Self Total Cholesterol test strips are based on enzymatic reaction to measure total cholesterol. When whole blood is applied on QUCARE® Self Total Cholesterol test strips, a chemical reaction happens and causes colour change of the test area.

Cholesterol Ester + HLO , Cholesterol Esterate	Chulesterol + Fatty Add

Cholesterol esterase 200 Unit Cholesterol oxidase 45 Unit Peroxidase 100 Unit Aminoantipyrine 0.1mg

Store test strip at 2-30 °C until the expiration date printed on the foil pouch or box. Do not freeze. Keep away from heat and direct sunlight. Do not use after the expiration date. Do not touch the reagent area of the strip.

Studies were performed to test for substances that may interfere with these tests. The results are below:

Know interfering substances No significant effect was observed to the following concentration for each substance. Ascorbic acid: 3 mg/dL Bilirubin: 20 mg/dL Creatinine: 30mg/dL Hemoglobin: 400mg/dL Urea: 500mg/dL EDTA(Anticoaguiant): 640mg/dL Heparin-Lithium,(Anticoagulant): 100mg/dL Hematocrit: Between 30~55% have no effect on test of the Drug: Dopamine, Gentisic acid and methyldepa may cause the low test results.

Repeatability / Reproducibility

A study was conducted using known cholesterol value samples. Each sample was tested ten times with the OUCARE® Self

Total Cholesterol test kit. The agreement of results was above 93%.

Accuracy

A clinical study was conducted comparing the QUCARE® Self Blood Total Cholesterol test kit with the reference method (BECKMAN COULTER AU5800). This clinical study was performed using 80 venous blood samples.

A comparison results between professional and laymen revealed a very high concordance of between 90-96%.

⚠	Warning
\square	Consult instructions for use
WD	In vitro diagnostic
8	Use By / Expiry Date (YYYY-MM-DD)
8	Do not reuse
" / "	Store at
淤	Keep away from sunlight
$\mathbf{\nabla}$	Number of test strips

ECIREP ELI Autorized Representative

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