120x175mm



Version 1.1 Rev.date:09/2020

0.993

0.996

0.994

Level III (n=60)

3.85%

8.14

Version 1.1 Rev.date:09/2020

QUALITY CONTROL

For best results, performance of test strips should be confirmed by testing known specimens/controls whenever a new test is performed or whenever a new package is first opened. Each laboratory should establish its own goals for adequate standards of performance. Contact your local distributor for information on specific controls for this product.

The following substances do not interfere with test results:						
Substance	Amount	Substance	Amount			
Acetaminophen	1324µmol/L(20mg/dL)	Triglyceride	7.3 mmol/L(650mg/dL)			
Ascorbic Acid	568 µmol/L(10mg/dL)	Uric Acid	0.6mmol/L(10mg/dL)			
Conjugated Bilirubin	240 µmol/L(20mg/dL)	Hemoglobin	2 g/L(200mg/dL)			
Creatinine	442 µmol/L(5mg/dL)	Dopamine	5.87 µmol/L(0.09mg/dL)			
Ibuprofen	2425 µmol/L(50mg/dL)		· · · ·			
Methyldopa	71 µmol/L(1.5mg/dL)					

High concentrations of uric acid and ascorbic acid can lead to low measurements. Anticoagulants, such as heparin and EDTA, are recommended for use with venous whole blood. Do not use EDTA plasma, which lead to higher results. Do not use other anticoagulants, such as iodoacetate, sodium citrate or those containing fluoride. Arterial blood isn't recommended for use. Hemolyzed blood or thrombolytic therapy blood may lower the results. Venous occlusion may increase the results and is not recommended to draw the blood.

1. Henry, J.B. Clinical Diagnosis and Management by Laboratory Methods.15-290,2001.

- 2. Friedewald et al. Clin Chem.1972.18(6):499-502

 National Cholesterol Education Program 2001 Guidelines, National Institutes of Health, May 2001.

BIBLIOGRAPHY

4. ATP III NCEP Guidelines for CHD Risk.JAMA.2001.285:2486-2509

			1		
Ĩ	Consult instructions for use	\Box	Use by	2°C	Store between 2-30°C
IVD	For in vitro diagnostic use only	LOT	Lot number	REF	Catalog #
Σ	Contents sufficient for <n> tests</n>	-	Manufacturer	\otimes	Do not reuse
EC REP	Authorized representative				

INDEX OF SYMBOLS

HANGZHOU LYSUN BIOTECHNOLOGY CO., LTD. 6th Floor, 6th Building, No.95 Binwen Road, Xixing Street, Binjiang District, Hangzhou, Zhejiang, P.R. China Tel: 086-571-86716518

EC REP Lotus NL B.V.

Koningin Julianaplein 10, 1e Verd, 2595AA, The Hague, Netherlands

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Accuracy The Total Cholesterol Test Strip (Dry Chemistry) were used by a trained technician to test heparin preserved venous whole blood specimens from 100 participants. The same specimens

5. While the meter is flashing the blood drop symbol, apply $10\mu L$ specimen to the Specimen Application

6. Read the results on the screen in 2 minutes. Refer to the User's Manual for detail test procedures.

Note: Use safety lancets for test. Avoid an environment with strong lighting during the test. Be sure the alcohol dries completely before picking the finger. Excessively squeezing the finger may alter the results. For best results, fasting for at least 12 hours is recommended. Add 10μ L specimen to the test

INTERRELATION OF RESULTS
The meter automatically measures concentrations of TC. In the event of unexpected or

Confirm that the test strips have been used within the expiration date printed on the canister

• If the problem persists, discontinue using the test strips immediately and contact your local

PERFORMANCE CHARACTERIALS Linearity

Ten replicate assays were drawn from three test strip lots and tested on the Cholesterol Monitoring

Systems (y), using ten concentration levels of heparin preserved venous whole blood specimens. Several Cholesterol Monitoring Systems were used to perform tests at each concentration (n=5). The same specimens were also tested using a reference method(x). Linearity results are presented

Linearity Equation

y = 0.9579x + 0.248y = 1.022x - 0.0264

y = 1.0051x + 0.0443

Within-run precision using whole blood specimens statistical analysis gives the mean, standard

Level I (n=60) Level II (n=60)

 Level I (n=20)
 Level II (n=20)
 Level III (n=20)

 Lot 1
 Lot 2
 Lot 3
 Lot 1
 Lot 2
 Lot 3

 3.61
 3.63
 3.59
 6.05
 6.14
 6.17
 8.11
 8.07
 8.25

3.71%

0.13 0.13 3.58% 4.40% 2.89% 3.72% 3.98% 3.67%

Reproducibility and Precision Twenty replicate assays were tested. Fresh heparin preserved venous whole blood specimens at three concentration levels were used with three test strip lots, producing the following within-run

• Compare results to controls with known levels and repeat the test using a new test strip.

the meter to show the test is in progress.

questionable results, the following steps are recommended:

strip at one time.

or foil pouch.

distributor.

Total Cholesterol

Test strip Lot

Lot 3

Total Cholesterol

Precision Lot Number Mean (mmol/L)

SD(%CV)

Total Precision

Mean (mmol/L)

SD(%CV)

precision and total precision estimates.

Total precision is listed below

deviations (SD), and coefficients of variation (CV%) listed below:

0.13

0.13

below

Area of the test strip using a pipette or capillary transfer tube. Align the tip of the pipette or capillary

transfer tube with the Specimen Application Area to apply the blood. 4 dashed lines will appear on

were analyzed using a ref	erence method(x). The results are con	npared below:				
Total Cholesterol							
Specimen	Slope	Intercept	R	N			
Venous whole blood	0.999	-0.004	0.993	100			

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