

CARDIOCHEK PA

Portable Cholesterol Analyser

“ The first portable hand-held device to perform a full lipid profile



Free NHS Health Check

Helping you prevent heart disease, stroke, diabetes and kidney disease.



BHR

BHR. Providing and supporting fast, reliable POC solutions since 1995

diagnostics made easy

CARDIOCHEK PA

Portable Cholesterol Analyser

“ In the UK there are at least 200,000 deaths every year attributed to heart disease, cholesterol is one of the five risk factors.

Cardiocheck classifies patients into low, medium, and high risk with 98% specificity^{2,3}



- Portable hand-held device
- Results in less than 2 minutes
- Suitable for multiple clinical applications
- Meets the accuracy guidelines established by the National Cholesterol Education Program of The National Institute of Health
- Test strips do not need refrigeration – stable at room temperature for over 12 months
- Accepted by HEART UK, Britain's leading cholesterol charity

CardioChek PA is the number one Lipid Instrument in the UK with over 6,500 units in use.

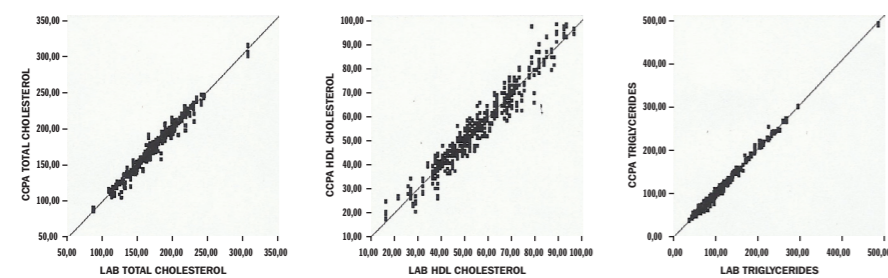
CardioChek PA measures the two essential parameters required in the NHS 'Health Checks' programme – Total Cholesterol and HDL Cholesterol and calculates the CHO/HDL ratio.¹

Regular cholesterol testing can be carried out by the HCA in surgery or a trained member of staff. Regular testing reassures patients, reinforces continued dietary and medical interventions.⁴

“ I wanted to thank you on behalf of Bristol Public Health for all of your support to date. The training provided to our practice nurses was delivered to a very high standard and the follow up service that you have provided has been second to none. Any issues that have come up with so many GP practices (56 in Bristol!) has been dealt with swiftly and professionally by yourself.”

Amanda Chappell at Bristol CCG

Accuracy and evaluation



The final accuracy of CardioChek PA measurements of total cholesterol, HDL cholesterol, and triglycerides of 492 venous blood samples was compared to laboratory analyses, giving correlations of 0.97, 0.94, and 0.99, respectively (all $P < 0.001$).

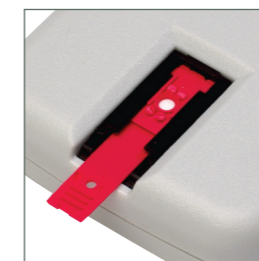
Regressions of the method comparisons calculated in 2012/13 using 492 venous samples with a wide range of lipid concentrations. Each sample was tested twice with both the Cardiocheck PA and the comparison method.⁵

CCPA provides excellent results, similar to those of the laboratory analysis, and could be used in programmes aimed at the early identification of dyslipidemia through population-wide, targeted, or opportunistic screenings since the CCPA System is valid, reliable and reproducible.

Performing a test



Take a 15-40µl fingerprick sample



Dispense the blood sample onto the relevant test strip



Read the results. Simple!

BHR offers full NPA Approved training on the use of the Cardiocheck system

Available Panel Tests

Tests

Code	Test	Size of pipette required	Contents
BIOS002	Glucose	15µl	25 test panels
BIOS003	Total cholesterol	15µl	25 test panels
BIOS004	HDL cholesterol	15µl	25 test panels
BIOS005	Triglyceride	15µl	25 test panels
BIOS006	Ketone	15µl	25 test panels
BIOS002D	Total cholesterol & glucose duo	30µl	25 test panels
BIOS010	Total cholesterol & hdl duo	30µl	25 test panels
BIOS019	Total cholesterol, hdl & glucose triple	40µl	15 test panels
BIOS020	HDL, triglyceride & glucose (metabolic chemistry) triple	40µl	15 test panels
BIOP102	Lipid panel (total cholesterol, hdl, ldl & triglyceride) quad	40µl	15 test panels

References

- ¹ NHS CEP Buyers Guide: Point-of-Care testing for cholesterol measurement, CEP 09020
- ² MHRA Report 05051 2005: Polymer Technology Systems CardioChek PA Lipid System
- ³ MDA Evaluation Report 1995: Cholestech LDX Lipid Analyzer, MDA/95/23 CardioChek PA Technical Specification
- ⁴ Dr. Jane Barnard tests a hand-held device for monitoring cholesterol levels, GP Magazine, 10th October 2008
- ⁵ Point-of-Care testing for decentralised testing of lipids, Laboratory of Clinical Pathology, University Hospital of Pisa, Luca Rossi et al (Poster presentation at AACC Houston, July 2013).



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