

multiCare In-CHOLESTEROL Control Solutions

multiCare In CHOLESTEROL Control Solutions are used to check the accuracy of Cholesterol system. The solutions contain a known quantity of Cholesterol which reacts with the components of the Reagent Strip

Use: The Cholesterol values range of each control solution is shown on the label of the Reagent Strips pack. The measuring procedure is very similar to that of whole blood determinations. In case you suspect the correct functioning of the instrument or the Reagent Strips, do the checking at least once with each Control Solution. If possible, use the solution which Cholesterol value lies nearest to the one you would like to check. Checking is recommended each time you open a new pack of Reagent Strips. The obtained results should lie in the range of values indicated on the strips packs. **multiCare In CHOLESTEROL** Control Solutions can also be used to learn and practise better the auto-testing procedure, therefore to verify the User's capability. A correct use of the system is confirmed if the results of repeated measurements lie in the expected range

Composition: **multiCare In CHOLESTEROL** Control Solutions contain Cholesterol, at different concentrations, in an aqueous solution. Other ingredients (and their approximate concentrations) are indicated below:

Sodium Benzoate	0.2%
Synthetic Hydrophilic Polymer	12.5%

Principle of the method: The cholesterol content in **MultiCare In TRYGLICERIDES** Control Solutions reacts with Cholesterol esterase/ Cholesterol Oxidase / Peroxidase/ Cromogen. The intensity the colour develops from the reaction is proportional to the concentration of Cholesterol in the solution. **MultiCare In CHOLESTEROL** Control Solutions can give different results if used with other Cholesterol determination systems. **The solutions are transparent.**

Storage and Stability: **multiCare In CHOLESTEROL** Control Solutions should be stored at room temperature (15-30°C), even after a dropper has been opened. At such temperatures, a closed dropper is stable until the expiry date indicated on the label while an open one must be used within 90 days. Write the opening date on the label and discard the solution after 90 days. Dry the dropper's tip after each use and close it well.

Procedure: your **multiCare In CHOLESTEROL** Control Solutions Kit is composed of : two droppers (level 1 or level 2) and a data chip. The number of possible test is 125 per vial

Requisite accessories: a) **multiCare In** instrument and Manual

b) **multiCare In CHOLESTEROL** Reagent Strips

Execution: open the control solution box and take data chip you find inside ,insert it in the instrument in use. **Attention:** In the display will appear the number **000**. If appears another number you are using a wrong chip.

Insert the reagent strip you want control and proceed in the same way as in Blood Cholesterol determination using a drop of control solution instead of a blood drop. For more

details, please refer to the Instrument's Manual. Invert the dropper 4 or 5 times before use it. The result will appear in the instrument after 45 seconds.

Accurate results are obtained if the checking is executed correctly. Please follow the hints below:

- Avoid the formation of air bubbles when dispensing a drop; remove bubbles eventually by a tissue before applying the drop
- Apply a single drop once on the centre of the reactive area of the strip
- Do not draw the drop back into the dropper once it has come in contact with the reactive area of the strip
- Do not let the dropper tip come in contact with the reactive area of the strip, otherwise the Control Solution in the dropper can be contaminated by the strip reagents

Precautions:

1. The Control Solutions are only for diagnostic *in vitro* use
2. Use this product as has been supplied; do not add other substances or dilute it, otherwise its diagnostic use will be compromised
3. Do not ingest or inject the Control Solutions
4. Use data chip you find inside the control solution kit. The number in the display must be **000**. **Do not use data chip insert in the strip's box.**

Expected results: at room temperature **multiCare In CHOLESTEROL** Control Solutions give results that are largely included (95%) in the Concentration Range indicated on the Reagent Strips Vial.

In case your results are out of the expected range, possible causes are:

- Incorrect test execution: read carefully the instructions in the instrument's manual.
- Control Solution is contaminated or expired. Replace with a new Control Solution or use another one at a different concentration, if available.
- Working Temperature is out of the recommended range above.
- Reagent Strips are contaminated or expired.
- The instrument isn't clean how recommended in multiCare In Instrumental Manual
- Data chip used is wrong.

If you still do not obtain satisfactory results:

- **Do not use the system for Cholesterol determinations**
- **Contact the nearest multiCare In CHOLESTEROL sales' office before still use the instrument .**

In Vitro Diagnosticum

CS mc in_CH ED2009 REV01-IE



Biochemical Systems International s.r.l.
Via G.Ferraris, 220 – 52100 Arezzo Italia
Tel. +39 0575 984164 Fax +39 0575 984238
www.biosys.it biosys@biosys