

**OLYMPUS AU 400/640****CHOLESTEROL LDL, DIRECT**  
ENZYMATIC SELECTIVE PROTECTION

Diagnostic reagent for quantitative in vitro determination of low density lipoprotein cholesterol (LDL-C) in human serum or plasma on photometric systems

| <b>REF</b>    | <b>Cont.</b>     |                        |                        |                                  |
|---------------|------------------|------------------------|------------------------|----------------------------------|
| <b>F05365</b> | <b>5 x 50 ml</b> | 4 x 50 ml<br>1 x 50 ml | Reagent 1<br>Reagent 2 | <b>1063 tests</b><br>235 µl/test |
| <b>F05367</b> | <b>5 x 10 ml</b> | 4 x 10 ml<br>1 x 10 ml | Reagent 1<br>Reagent 2 | <b>212 tests</b><br>235 µl/test  |

Additionally offered:

|          |          |                                    |
|----------|----------|------------------------------------|
| F03711SV | 1 x 1 ml | LDL Cholesterol Calibrator         |
| D99486   | 3 x 3 ml | Lipid Control normal Diacon Lipids |

**1. Reagent preparation:**

The reagents are ready to use.

## APPLICATION PROCEDURE

### 2. Instrument settings:

Test Name  Type  Operation

| Sample                    | Volume                               | <input type="text" value="2.0"/>    | $\mu\text{l}$                       | Dilution                       | <input type="text" value="0"/>    | $\mu\text{l}$                      |
|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| Reagents                  | R1 Volume                            | <input type="text" value="188"/>    | $\mu\text{l}$                       | Dilution                       | <input type="text" value="0"/>    | $\mu\text{l}$                      |
|                           | R2 Volume                            | <input type="text" value="47"/>     | $\mu\text{l}$                       | Dilution                       | <input type="text" value="0"/>    | $\mu\text{l}$                      |
| Wavelength                | Pri                                  | <input type="text" value="600"/>    |                                     | Sec                            | <input type="text" value="700"/>  |                                    |
| Method                    | <input type="text" value="END"/>     |                                     |                                     |                                |                                   |                                    |
| Reaction Slope            | <input type="text" value="+"/>       |                                     |                                     |                                |                                   |                                    |
| Measuring point 1         | First                                | <input type="text" value="0"/>      |                                     | Last                           | <input type="text" value="27"/>   |                                    |
| Measuring point 2         | First                                | <input type="text" value="0"/>      |                                     | Last                           | <input type="text" value="10"/>   |                                    |
| Linearity                 | <input type="text"/>                 |                                     |                                     |                                |                                   | %                                  |
| No-Lag-Time               | <input type="text"/>                 |                                     |                                     |                                |                                   |                                    |
| Pre-dilution Rate         | <input type="text"/>                 |                                     |                                     |                                |                                   |                                    |
| Min OD                    | <input type="text" value="0.000"/>   |                                     |                                     | Max OD                         | <input type="text" value="2.50"/> |                                    |
| Reagent OD Limit          | First L                              | <input type="text" value="-0.100"/> |                                     | First H                        | <input type="text" value="2.50"/> |                                    |
|                           | Last L                               | <input type="text" value="-0.100"/> |                                     | Last H                         | <input type="text" value="2.50"/> |                                    |
| Dynamic Range             | L                                    | <input type="text" value="0"/>      |                                     | H                              | <input type="text" value="400"/>  |                                    |
|                           | Correlation Factor                   |                                     |                                     |                                |                                   |                                    |
| On-board stability period | A                                    | <input type="text" value="1"/>      |                                     | B                              | <input type="text" value="0"/>    |                                    |
|                           | <input type="text" value="30 Days"/> |                                     |                                     |                                |                                   |                                    |
| Value/Flag                | <input type="text" value="#"/>       | Level L                             | <input type="text" value="#"/>      | Level H                        | <input type="text" value="#"/>    |                                    |
| Normal Ranges             | Age L                                |                                     | Age H                               |                                |                                   |                                    |
|                           | Sex                                  | Year                                | Month                               | Year                           | Month                             |                                    |
| 1                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| 2                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| 3                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| 4                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| 5                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| 6                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| 7                         | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> | <input type="text" value="#"/>    |                                    |
| Panic Value               | L                                    |                                     | H                                   |                                | Unit                              | <input type="text" value="mg/dl"/> |
|                           | <input type="text" value="#"/>       | <input type="text" value="#"/>      | <input type="text" value="#"/>      | <input type="text" value="#"/> |                                   |                                    |
| Calibration Type          | <input type="text" value="AB"/>      | Formula                             | <input type="text" value="Y=AX+B"/> | Counts                         | <input type="text" value="#"/>    |                                    |
|                           | Cal.No                               | OD                                  | CONC                                | Factor OD-L                    | Factor OD-H                       |                                    |
| Point 1                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |
| Point 2                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |
| Point 3                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |
| Point 4                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |
| Point 5                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |
| Point 6                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |
| Point 7                   | <input type="text" value="*"/>       | <input type="text"/>                | <input type="text" value="*"/>      | <input type="text"/>           | <input type="text"/>              |                                    |

#) Data entry by the user

\*) Enter calibration or standard value

**NOTE:** These suggested instructions and instrument parameters are to be used in conjunction with the reagent package insert and the instrument operation manual. Refer to these documents for complete instructions before performing the tests.