

# **Mercodia Oxidized LDL Control/ Human**

Directions for Use

**10-1165-01**

For Research Use Only  
Not for Use in Diagnostic Procedures

Manufactured by

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Mercodia 

## **INTENDED USE**

Mercodia oxidized LDL Control is designed to be used as a two-level control for human oxidized LDL. It is manufactured from human serum.

## **REAGENTS**

Mercodia Oxidized LDL Control contains 2 vials of lyophilized serum, each containing 0.5 ml after reconstitution. Values are found below.

## **PREPARATION OF REAGENT**

Reconstitute each Mercodia Oxidized LDL Control by adding 500  $\mu$ l redistilled water to each vial. Replace the rubber stopper and allow to stand for 5 minutes. Gently swirl until contents are thoroughly mixed. Avoid foaming.

## **SHELF LIFE AND STORAGE**

The expiry date is stated below. Store the complete package at +2-8°C. Reconstituted Controls are stable for 1 week at +2-8°C or three month at -20°C. Avoid repeated freezing and thawing.

## PROCEDURE

### Using the Controls in the Mercodia Oxidized LDL ELISA (10-1143-01)

Perform the Mercodia Oxidized LDL ELISA (10-1143-01) assay according to the "Directions for Use", handling Mercodia Oxidized LDL Control as patient samples: Each control must be diluted in two steps:

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1	Control	25 $\mu$ l			
	Sample buffer	2000 $\mu$ l	Mix		Dilution 1/81
	Cap tubes, invert three times and Vortex-mix*				
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2	1/81 dilution of control	25 $\mu$ l			
	Sample buffer	2000 $\mu$ l	Mix		Dilution 1/6561
	Cap tubes, invert three times and Vortex-mix*				

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\* It is IMPORTANT to ensure that each dilution step is properly inverted and mixed before further use.

### Using the Controls in the Mercodia Oxidized LDL Competitive ELISA (10-1158-01)

Perform the Mercodia Oxidized LDL Competitive ELISA (10-1158-01) assay according to the "Directions for Use", handling Mercodia Oxidized LDL Control as patient samples. Each control must be diluted:

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1	Control	25 $\mu$ l			
	Sample buffer	1000 $\mu$ l	Mix		Dilution 1/41
	Cap tubes, invert three times and Vortex-mix*				

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\* It is IMPORTANT to ensure that each dilution step is properly inverted and mixed before further use.

## Calculation of Results

In the Mercodia Oxidized LDL ELISA ( 10-1143-01) multiply the concentration of the controls with the dilution factor 6561.

In the Mercodia Oxidized LDL Competitive ELISA (10-1158-01) multiply the concentration of the controls with the dilution factor 41.

## WARNING!

### **Human source material. This kit contains reagents which may be infectious!**

This kit contains reagents manufactured from human blood components. The source of material have been tested by immunoassay for hepatitis B surface antigen, antibodies for hepatitis C virus and for antibodies for HIV virus and found to be negative. Nevertheless, all recommended precautions for the handling of blood derivatives should be observed. Please refer to HHS Publication no. (CDC) 88-8395 or corresponding local/national guide-lines on laboratory safety procedures.

## TABLE OF VALUES

The following values only apply to the lot number and the expiry date mentioned below.

**Control A** Lot No: 14983 Exp. date: 2008-06-27

**Control B** Lot No: 14985 Exp. date: 2008-06-27

### **Values for Controls using Mercodia Oxidized LDL ELISA (10-1143-01)**

Controls	Mean value	Range	Units
<b>A</b>	40,2	27,4-52,9	U/l
<b>B</b>	59,1	34,8-83,3	U/l

## Values for Controls using Mercodia Oxidized LDL Competitive ELISA (10-1158-01)

Controls	Mean value	Range	Units
<b>A</b>	55,4	38,5-72,2	U/l
<b>B</b>	83,1	56,2-109,9	U/l

Determinations performed at Mercodia AB.

**The values given are only applicable to the Oxidized LDL ELISA/ Oxidized LDL Competitive ELISA (10-1143-01/ 10-1158-01) assays manufactured by Mercodia AB.**




If used with other methods, different values may be obtained.

### WARRANTY

The performance data presented here was obtained using the procedure indicated. Any change or modification in the procedure not recommended by Mercodia AB may affect the results, in which event Mercodia AB disclaims all warranties expressed, implied or statutory, including the implied warranty of merchantability and fitness for use. Mercodia AB and its authorized distributors, in such event, shall not be liable for damages indirect or consequential.

## EXPLANATION OF SYMBOLS USED ON LABELS

X-O Graf Tryckeri AB

	Expiry date
	Store between 2–8 °C
	Lot No.