

Mercodia Obesity Control A, B, C / Human

Directions for Use

10-1241-01

For research use only

Manufactured by
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INTENDED USE

Mercodia Obesity Control A, B, C/Human is designed to be used as a control for Mercodia Adiponectin ELISA and Mercodia Leptin ELISA kits. It is manufactured from human serum.

REAGENTS

Each Mercodia Obesity Control contains 3 vials of lyophilized serum, each containing 0.5 mL after reconstitution. Values are found below.

PREPARATION OF REAGENTS

Reconstitute each Mercodia Obesity Control by adding 500 μ 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.

- For Adiponectin ELISA analysis:
Dilute the Obesity Controls 1/101 with Mercodia Adiponectin ELISA Sample Buffer (20 μ L control serum + 2000 μ L Sample Buffer).
The dilution factor may be modified if a different concentration is desired.
- For Leptin ELISA analysis:
Dilute the Obesity Controls 1/11 with Mercodia Leptin ELISA Sample Buffer (25 μ L control serum + 250 μ L Sample Buffer).
The dilution factor may be modified if a different concentration is desired.

SHELF LIFE AND STORAGE

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

PROCEDURE

Perform the Mercodia Adiponectin ELISA and Mercodia Leptin ELISA assays according to the "Directions for Use".

Warning! This kit contains reagents that 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 derivates should be observed. Please refer to HHS Publication No. (CDC) 88-8395 or corresponding local/national guidelines on laboratory safety procedures.

TABLE OF VALUES

The controls were diluted 1/11 for leptin analysis and 1/101 for adiponectin analysis when the concentrations of the controls were determined.

The concentrations of the control values were determined by 4 replicates per run, on a minimum of 10 occasions, performed on at least 2 days by at least 2 technicians.

The ranges are determined as: target value \pm 3 SD. The following values only apply to the lot number and expiry date mentioned below.

Control A	Lot No: 28167	Exp. date: 2022-03-12
Method	Target value	Range
Mercodia Adiponectin ELISA 10-1193-01	5.37 μ g/mL	4.40 - 6.34 μ g/mL
Mercodia Leptin ELISA 10-1199-01	13.8 ng/mL	10.9 - 16.7 ng/mL

Control B	Lot No: 28168	Exp. date: 2022-03-12
Method	Target value	Range
Mercodia Adiponectin ELISA 10-1193-01	7.99 μ g/mL	6.55 - 9.43 μ g/mL
Mercodia Leptin ELISA 10-1199-01	6.23 ng/mL	5.11 - 7.35 ng/mL

Control C	Lot No: 28169	Exp. date: 2022-03-12
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Method	Target value	Range
Mercodia Leptin ELISA 10-1199-01	2.70 ng/mL	2.13 - 3.27 ng/mL

Determinations performed at Mercodia AB.

The values given are only applicable to assays manufactured by Mercodia AB.

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




Good practice dictates that each laboratory establishes its own expected range of values.

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

 An icon of an hourglass with a black fill at the bottom, representing an expiry date.	Expiry date
 An icon of a thermometer with a black fill at the bottom and a line extending from the top, representing a storage temperature range.	Store between 2-8°C
 The word "LOT" in a bold, black, sans-serif font, enclosed in a double-lined rectangular border, representing a lot number.	Lot No.