

# **Mercodia Animal Insulin Control (Low, Medium, High)**

Direction for Use

**10-1221-01**

Manufactured by  
Mercodia AB  
Sylveniusgatan 8A  
SE-754 50 Uppsala  
Sweden

## INTENDED USE

Mercodia Animal Insulin Control (Low, Medium, High) is designed to be used as a three-level control for Mercodia Porcine, Bovine, Ovine, Canine and Equine Insulin ELISA kits. It is manufactured from human serum and insulin.

For Mercodia assays the control levels are suitable in each method as stated in the table below.

Method	Control		
	Low	Medium	High
Mercodia Porcine Insulin ELISA 10-1200-01	X	X	X
Mercodia Bovine Insulin ELISA 10-1201-01	X	X	-
Mercodia Ovine Insulin ELISA 10-1202-01	X	X	X
Mercodia Canine Insulin ELISA 10-1203-01	X	X	X
Mercodia Equine Insulin ELISA 10-1205-01	X	X	X

## REAGENTS

Each Mercodia Animal Insulin Control Low, Medium, High contains 3 vials of lyophilized serum, each containing 0.5 mL after reconstitution. Values are found below.

## PREPARATION OF REAGENTS

Reconstitute each Mercodia Animal Insulin Control (Low, Medium, High) by adding 500 µl 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 2 weeks at 2-8°C or three months at -20°C. Avoid repeated freezing and thawing.

## PROCEDURE

Perform the Mercodia Insulin ELISA assays (Porcine, Bovine, Ovine, Canine and Equine) according to the "Directions for Use", handling Mercodia Animal Insulin Control Low, Medium, High as samples.

### **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 derivatives 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 concentrations of the control values were determined in 4 replicates on 12 occasions in 4 days by 3 different technicians.

The range is determined as: target value  $\pm 3$  SD (obtained from the 12 analysis).

Control Low	Lot No.: 22362	Exp.date: 2016-07-01		
	Target value	Range	Units	
Mercodia Porcine Insulin ELISA 10-1200-01	0.043	0.037-0.049	µg/L	
Mercodia Bovine Insulin ELISA 10-1201-01	0.391	0.309-0.473	µg/L	
Mercodia Ovine Insulin ELISA 10-1202-01	0.248	0.196-0.300	µg/L	
Mercodia Canine Insulin ELISA 10-1203-01	0.043	0.037-0.049	µg/L	
Mercodia Equine Insulin ELISA 10-1205-01	0.043	0.037-0.049	µg/L	

<b>Control Medium</b>	Lot No.: 22363	Exp.date: 2016-07-01		
	Target value	Range	Units	
Mercodia Porcine Insulin ELISA 10-1200-01	0.161	0.137-0.185	µg/L	
Mercodia Bovine Insulin ELISA 10-1201-01	1.390	1.100-1.680	µg/L	
Mercodia Ovine Insulin ELISA 10-1202-01	0.790	0.672-0.909	µg/L	
Mercodia Canine Insulin ELISA 10-1203-01	0.161	0.137-0.185	µg/L	
Mercodia Equine Insulin ELISA 10-1205-01	0.161	0.137-0.185	µg/L	
<b>Control High</b>	Lot No.: 22364	Exp.date: 2016-07-01		
	Target value	Range	Units	
Mercodia Porcine Insulin ELISA 10-1200-01	0.520	0.442-0.598	µg/L	
Mercodia Ovine Insulin ELISA 10-1202-01	2.000	1.700-2.300	µg/L	
Mercodia Canine Insulin ELISA 10-1203-01	0.520	0.442-0.598	µg/L	
Mercodia Equine Insulin ELISA 10-1205-01	0.520	0.442-0.598	µg/L	

Determinations performed at Mercodia AB.

**The values given are only applicable to the lot number and the expiry date mentioned in the table and 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

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