

# Mercodia Diabetes Antigen Control (Low, High)/Human

Directions for Use

**10-1164-01**

**Important changes made in  
this version**

Page 2 Shelf life and storage

For *in vitro* diagnostic use in EU/EEA, UK and Canada



Gebrauchsanweisung auf Deutsch finden Sie unter folgendem Link:

Veillez trouver le mode d'emploi en français à:

Podrá encontrar las instrucciones de uso en español en:

Le istruzioni per l'uso sono reperibili in italiano all'indirizzo:

For danske brugsanvisning gå til:

För svensk bruksanvisning gå till:

For norsk oversettelse gå til:

Ga voor de Nederlandse vertaling naar:

Para tradução em português, vá para:

Wskazówki dotyczące stosowania w języku polskim,  
znajdują się na stronie:

<https://www.mercodia.com/product/diabetes-antigen-control-human-low-and-high/>

oder/ou/o/eller/of email: [info-global@mercodia.com](mailto:info-global@mercodia.com)

Regulatory status in the rest of the world:

For research use only. Not for use in diagnostic procedures.

Manufactured by

**Mercodia AB**

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Sweden

## **Intended use**

Mercodia Diabetes Antigen Control is designed to be used as a two-level control for human insulin, C-peptide, proinsulin and iso-insulin. It is manufactured from human serum and human insulin, C-peptide and proinsulin.

## **Reagents**

Each Mercodia Diabetes Antigen Control contains 2 vials of lyophilized serum, each containing 0.5 mL after reconstitution. Values are found below.

## **Preparation of reagent**

Reconstitute each Mercodia Diabetes Antigen Control by adding 500  $\mu$ L redistilled water. Replace the rubber stopper and wait 5 minutes before vortexing to ensure that the content is thoroughly dissolved.

## **Shelf life and storage**

The expire date is stated below. Store the complete package at 2-8°C. Reconstituted Controls of Insulin, Proinsulin and Iso-Insulin are stable for 1 week at 2-8°C or 3 months at -20°C. Reconstituted Controls of C-peptide are stable for 1 week at 2-8°C or 3 months at -80°C. Avoid repeated freezing and thawing for all controls.

## **Procedure**

Perform the Insulin, C-peptide, Proinsulin and Iso-Insulin ELISAs according to the "Directions for Use", handling Mercodia Diabetes Antigen Controls as samples.

## Warnings and precautions

### **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.

- The Control Low (L) and Control High (H) contain <0.06% 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

The controls are labelled:



### **Warning**

H317 – May cause an allergic skin reaction.

P280 – Wear protective gloves.

P261 – Avoid breathing vapour.

P272 – Contaminated work clothing should not be allowed out of the workplace.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 – If skin irritation or rash occurs: Get medical attention.

P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Table of values

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

<b>Control Low</b>	Lot No.: 34097	Exp. date: 2025-09-30	
Method	Mean value	Range	Units
Mercodia Insulin ELISA	9.58	6.99-12.2	mU/L
Mercodia C-peptide ELISA	441	335-547	pmol/L
Mercodia Proinsulin ELISA	9.14	7.49-10.8	pmol/L
Mercodia Iso-Insulin ELISA	10.9	9.27-12.5	mU/L

<b>Control High</b>	Lot No.: 34098	Exp. date: 2025-09-30	
Method	Mean value	Range	Units
Mercodia Insulin ELISA	58.7	48.1-69.3	mU/L
Mercodia C-peptide ELISA	1370	1170-1580	pmol/L
Mercodia Proinsulin ELISA	38.4	33.8-43.0	pmol/L
Mercodia Iso-Insulin ELISA	53.9	47.4-60.4	mU/L

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

	Expiry date
	Store between 2-8°C
	Lot No.
	For <i>in vitro</i> diagnostic use

For technical support please contact: [support@mercodia.com](mailto:support@mercodia.com)