



# **Merck**

# **Glucagon Control -**

# **Low, Medium, High**

Directions for Use

**10-1286-01**

For Research Use Only

Not for Use in Diagnostic Procedures

Manufactured by

**Merck AB**  
Sylveniusgatan 8A  
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Sweden

## **Intended use**

Mercodia Glucagon Control - Low, Medium, High is designed to be used as a three-level control for Mercodia Glucagon ELISA and Mercodia Glucagon ELISA - 10 $\mu$ L.

## **Reagents**

Each Mercodia Glucagon Control - Low, Medium, High contains 3 vials of lyophilized buffer controls with synthetic glucagon, each containing 0.5 mL after reconstitution. Values are found below.

## **Preparation of reagents**

Reconstitute each Mercodia Glucagon Control - Low, Medium, High 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. Avoid prolonged exposure to room temperature.

## **Shelf life and storage**

The expiry date is stated below. Store the complete package at 2–8°C. Reconstituted controls are stable for one week at 2–8°C. If reconstituted controls are to be used for longer than one week, aliquote and store at -20°C. Aliquoted controls are stable for 4 weeks at -20°C. Avoid repeated Freeze/Thaw cycles.

## **Procedure**

Perform the Mercodia Glucagon ELISA or the Mercodia Glucagon ELISA – 10  $\mu$ L according to the "Directions for Use" of the individual assays handling Mercodia Glucagon Control - Low, Medium, High as samples.

## Warnings and precautions

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

The Controls are labeled:



### 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.

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<b>Control Low</b>	Lot No.: 35247	Exp. date: 2026-05-08		
Method	Target value	Range	Units	
Mercodia Glucagon ELISA 10-1271-01	4.47	3.80 – 5.14	pmol/L	
Mercodia Glucagon ELISA 10 $\mu$ L 10-1281-01	5.09	4.33 – 5.85	pmol/L	

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<b>Control Medium</b>	Lot No.: 35248	Exp. date: 2026-05-08		
Method	Target value	Range	Units	
Mercodia Glucagon ELISA 10-1271-01	14.4	12.7 – 16.1	pmol/L	
Mercodia Glucagon ELISA 10 $\mu$ L 10-1281-01	15.1	13.3 – 16.9	pmol/L	

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**Control High**

Lot No.: 35249

Exp. date: 2026-05-08

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Method	Target value	Range	Units
Mercodia Glucagon ELISA 10-1271-01	44.1	38.8 – 49.4	pmol/L
Mercodia Glucagon ELISA 10 $\mu$ L 10-1281-01	47.7	42.0 – 53.4	pmol/L

Determinations performed at Mercodia AB.

**The values given are only applicable to the lot number and the expire 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.

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